



FESSH 2021 CONGRESS

FESSH-ON(line)-WEEK

16-19 June 2021 | virtual

FINAL PROGRAM



FESSH
Federation of
European Societies for
Surgery of the Hand

www.fessh2021.com



FESSH
Federation of
European Societies for
Surgery of the Hand

EUROPEAN UNION OF MEDICAL SPECIALISTS (UEMS)
EUROPEAN ACCREDITATION COUNCIL ON CME (EACCME®)
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Subject : EACCME® Accreditation of event reference LEE21-00270

We are pleased to inform you that your application for EACCME® accreditation of **FESSH 2021 Congress – FESSH-ON-WEEK2021, Online, Switzerland, 16/06/2021-19/06/2021** has been granted 28 European CME credits (ECMEC®s) by the European Accreditation Council for Continuing Medical Education (EACCME®).

Accreditation Statement

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“The FESSH 2021 Congress – FESSH-ON-WEEK 2021, Online, Switzerland, 16/06/2021-19/06/2021 has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME®) with 28 European CME credits (ECMEC®s). Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity.”

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“Live educational activities, occurring outside of Canada, recognised by the UEMS-EACCME® for ECMEC®s are deemed to be Accredited Group Learning Activities (Section 1) as defined by the Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada.”

EACCME® credits

Each participant can only receive the number of credits he/she is entitled to according to his/her actual participation at the event once he/she has completed the feedback form. Cf. criteria 9 and 23 of UEMS 2016.20.

In order to help you issue individual certificates to each participants, please find below the breakdown of ECMEC®s per day:

16.06.2021 - 5.00

17.06.2021 - 8.00

18.06.2021 - 8.00

19.06.2021 - 7.00

The EACCME® awards ECMEC®s on the basis of 1 ECMEC® for one hour of CME with a maximum of 8 ECMEC®s per day. Cf. Chapter X of UEMS 2016.20.

The UEMS-EACCME Secretariat

FESSH 2021

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WELCOME MESSAGES

CONGRESS PRESIDENTS



Dear Colleagues,

As we all battle to Covid pandemic, the wish for educational exchange and social interaction have become stronger. Most of us have had reduced patient care and restricted social and family contacts for a long time.

We had hoped, that our announcement now would have been an invitation to a live congress in Rotterdam. The reality is unfortunately different.

On the other hand, we have put a tremendous effort in creating the best online program we can do at the moment. The time schedule has been carefully selected to provide for the participants the best educational opportunity without overloading information, as we all already have been involved in many video sessions.



The program includes many sessions of a normal live program, for example the 10 best papers session from the Journal of Hand Surgery European volume, instructional courses and the EWAS session.

As the theme of the meeting is complications in hand surgery, we will add an exciting session entitled “disasters from the masters”.

In addition, we will present live surgery sessions on many hand surgery topics in a superb Cadlab and will debate on difficult to solve problems.

A newly created concept will challenge different FESSH countries to produce presentations in a so-called “Nations Competition”.

In closing, we are looking forward to welcoming you all to the FESSH Online week coming June. It will be a fantastic program that will only get better with your input as participants.

Warm greetings,

J. Henk Coert & Brigitte van der Heijden

The Presidents of the FESSH 2021 Congress

SECRETARY GENERAL



Steering a boat through rough seas requires primarily robust material and above all seamanship that you can rely on.

For the second time in a row, we are about to launch a full virtual FESSH congress. Unlike Basel, one year ago, we realised soon, that the situation would not allow a face-to-face meeting in June. Thanks to the immense flexibility of all stakeholders, including the Finnish Hand Society, who agreed to postpone their future congress for one year, we have managed to limit the harm which goes along with a complete reorganisation of such an event.

With great enthusiasm and a lot of energy the organisers have managed to set together a superb online program with many highlights. Established formats like the live surgical demonstrations will be enriched by new layouts including the 'Nations Competition'. Our industrial partners have also started to recover from their Covid-rigor. They have supported FESSH with great enthusiasm.

As Secretary General it is a privilege to have such a motivated crew on board and my warmest thanks goes to all which are contributing to the success of the coming FESSH-ON(line)-WEEK 2021.

We all hope that we are in transition to a 'newer normal' with future meetings being again face-to-face but perhaps including all the good things we learned. I am sure, in time to come, we will acknowledge the value of all that we experienced and we will transfer the positive aspects into the 'newer normal'.

Daniel Herren
Secretary General

CONGRESS COMMITTEES

FESSH 2021 CONGRESS COMMITTEES

ORGANIZING COMMITTEE

President: J. Henk Coert (*The Netherlands*)

President: Brigitte van der Heijden (*The Netherlands*)

Simon Farnebo (*Sweden*)

Daniel Herren (*Switzerland*)

Alex Lluch (*Spain*)

Letizia Marengi (*Italy*)

Zafar Naqui (*UK*)

Pierluigi Tos (*Italy*)

Frederik Verstreken (*Belgium*)

SCIENTIFIC COMMITTEE

Chairman: Gürsel Leblebicioglu (*Turkey*)

Fernando Corella (*Spain*)

Piotr Czarnecki (*Poland*)

Simon Farnebo (*Sweden*)

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Zafar Naqui (*UK*)

Niels Schep (*The Netherlands*)

Frederik Verstreken (*Belgium*)

Anne Vochteloo (*The Netherlands*)

REVIEWERS

Lars Dahlin (*Sweden*)

Jan Debeij (*The Netherlands*)

Ilse Degreef (*Belgium*)

Juan José Hidalgo Diaz (*France*)

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Angel Ferreres (*Spain*)

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Leila Harhaus (*Germany*)

Hebe Désirée Kvermmo (*Norway*)

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Montse Ocampos

Guy Rubin (*Israel*)

Pierluigi Tos (*Italy*)

Matthias Vanhees (*Belgium*)

Esther Vögelin (*Switzerland*)

David Warwick (*UK*)

Stephanie Zielinski (*The Netherlands*)

INSTRUCTIONAL COURSE

Topic: Management of complications in common hand and wrist surgery

Editors: Brigitte van der Heijden

Jan-Ragnar Haugstvedt

J. Henk Coert

FESSH COUNCIL MEMBERS

Secretary General

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Alex Lluch (*Spain*)

Academic Committee / Journal of Hand Surgery

J. Henk Coert (*The Netherlands*)

Academic Committee / Research

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Zafar Naqui (*UK*)

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Martin Langer (*Germany*)

Relationship and Subspecialties Committee

Frederik Verstreken (*Belgium*)

Relationship and Subspecialties Committee / Hand Trauma

Pierluigi Tos (*Italy*)

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David Shewring (*UK*)

Editor-in-Chief of the Journal of Hand Surgery (European Volume)

Jin Bo Tang (*China*)

Young European Hand Surgeons (YEHS) delegate

Letizia Marengi (*Italy*)

FESSH Management Office

Andrea Götz, Krisztina Szigedi, Nándor Mátrai

FESSH MEMBER NATIONAL SOCIETIES

-  Austrian Society for Surgery of the Hand (ÖGH)
-  Belgian Hand Group (BHG)
-  Bulgarian Society for Surgery of the Hand (BSSH)
-  Czech Society for Surgery of the Hand (CSCR)
-  The Danish Society for Surgery of the Hand (DSFH)
-  Estonian Society for Surgery of the Hand (EKKS)
-  The Finnish Society for Surgery of the Hand (SKKY)
-  French Society for Surgery of the Hand (SFCM/GEM)
-  German Society for Surgery of the Hand (DGH)
-  Hellenic Society for Surgery of the Hand and Upper Limb (EEXX)
-  Hungarian Society for Surgery of the Hand (MKT)
-  Irish Hand Surgery Society (IHSS)
-  Italian Society for Surgery of the Hand (SICM)
-  Latvian Association for Surgery of the Hand (LRKA)
-  Society for Surgery of the Hand of Republic of North Macedonia
-  Norwegian Society for Surgery of the Hand (NFH)
-  Polish Society for Surgery of the Hand (PTCR)
-  Portuguese Society of Hand Surgery (SPOCMA)
-  Romanian Society for Surgery of the Hand (SRCR)
-  Russian Hand Surgery Society-Hand Group (RKG)
-  Serbian Society for the Surgery of the Hand (SSHS)
-  Spanish Society for Surgery of the Hand (SECEMA)
-  Swedish Society for Surgery of the Hand (SFH)
-  Swiss Society for Surgery of the Hand (SGH)
-  The Netherlands Society for Surgery of the Hand (NVvH)
-  Turkish Society for Surgery of the Hand and Upper Extremity (TCD)
-  Ukrainian Hand Surgery Society (UHSS)
-  The British Society for Surgery of the Hand (BSSH)

Associate member

-  The Israeli Society for Surgery of the Hand (ISSH)

Corresponding members

-  Egyptian Society for Surgery of the Hand and Microsurgery (ESSHM)
-  Hong Kong Society for Surgery of the Hand
-  Lithuanian Society for Surgery of the Hand (LSSH)
-  Slovak Association for Hand Surgery (SSCR)
-  Slovene Society for Surgery of the Hand
-  The South African Society for Surgery of the Hand (SASSH)
-  The Korean Society for Surgery of the Hand (KSSH)

FESSH CONGRESSES

PAST FESSH CONGRESSES

- 1993 – Brussels, Belgium – G. Lejeune
- 1994 – Dublin, Ireland – J. Varian
- 1996 – Paris, France – A. Gilbert
- 1997 – Bologna, Italy – A. Landi
- 1998 – Vienna, Austria – H. Millesi
- 1999 – Bonn, Germany – P. Bruser
- 2000 – Barcelona, Spain – A. Lluch
- 2002 – Amsterdam, The Netherlands – S. Hovius
- 2003 – Lisboa, Portugal – A.C. Ferreira
- 2005 – Goteborg, Sweden – A. Nachemson
- 2006 – Glasgow, Scotland – P. Burge
- 2007 – Athens, Greece – K. N. Malizos
- 2008 – Laussane, Switzerland – D.V. Egloff
- 2009 – Poznan, Poland – L. Romanowski
- 2010 – Bucarest, Romania – A. Georgescu
- 2011 – Oslo, Norway – L.E. Myrseth
- 2012 – Antwerpen, Belgium – Y. Baeten & J. Bahm
- 2013 – Antalya, Turkey – S. Ada
- 2014 – Paris, France – C. Mathoulin
- 2015 – Milan, Italy – G. Pajardi
- 2016 – Santander, Spain – F. Del Piñal
- 2017 – Budapest, Hungary – Zs. Szabó
- 2018 – Copenhagen, Denmark – M. Boeckstyns
- 2019 – Berlin, Germany – J. V. Schoonhoven, M. Haerle, A. Eisenschenk
- 2020 – Virtual – M. Calcagni, D. Herren

FUTURE FESSH CONGRESSES

15th IFSSH and XXVII FESSH Combined Congress

London, UK
June 6-10, 2022

XXVIII FESSH Congress

Rimini, Italy
10-13 May, 2023

XXIX FESSH Congress

Rotterdam, the Netherlands
June 26-29, 2024

XXX FESSH Congress

Helsinki, Finland
June 11-14, 2025

FESSH 2021 PROGRAM

WEDNESDAY, 16 JUNE

Hours	CHANNEL 1
15:00 -16:00	S02 AO session
16:15 -17:15	S67 BIRG session
17:30 -18:30	S78 IBRA session
19:00 -19:15	S03 Opening Ceremony
19:15 -21:15	S04 Disasters of the Masters

FESSH 2021 PROGRAM

WEDNESDAY, 16 JUNE 2021

	CHANNEL 1
08:00-12:00	MEDARTIS PRE-CONGRESS CADLAB A PATIENT JOURNEY AFTER A WRIST AND SCAPHOID FRACTURE – WHAT CAN GO WRONG AND HOW TO BE BACK ON TRACK. Realistic cadaveric masterclass live from the Netherlands, Poland, Switzerland and the United Kingdom.
15:00-16:00	S02 AO SESSION
A-0768	SCAPHOID NON-UNION AND MAL-UNION Renato Fricker
A-0769	MALUNIONS OF THE METACARPALS AND PHALANGES Alex Lluch Discussion
16:15-17:15	S67 BIRG SESSION - UPDATE IN HAND AND WRIST COMPLICATION MANAGEMENT Chair: Max Haerle SOLUTIONS FOR COMPLICATIONS IN METACARPALS AND PHALANGEAL RECONSTRUCTION
A-0770	PREVIOUS VS. INNOVATIVE TREATMENT OPTIONS Stephan Schindele
A-0771	CLINICAL CASE EXAMPLES Niels Schep Panelists' discussion
	SOLUTIONS FOR COMPLICATIONS IN INTRA- AND EXTRA-ARTICULAR RADIUS RECONSTRUCTION
A-0772	PREVIOUS VS. INNOVATIVE TREATMENT OPTIONS Stephan Schindele
A-0773	CLINICAL CASE EXAMPLES Niels Schep Panelists' discussion

17:30-18:30

S78 IBRA SESSION - DISTAL RADIUS AND SCAPHOID FRACTURES – HOW CAN WE DO BETTER?

Chairs: Wolfgang Hintringer, Hermann Krimmer

SESSION I – DISTAL RADIUS FRACTURES – HOW TO AVOID COMPLICATIONS

A-0774

KEY FRAGMENTS – WHAT DOES THAT MEAN?

Wolfgang Hintringer

A-0775

TIPS AND TRICKS

Christophe Pezzei

Case discussion

SESSION II – CARPAL FRACTURES – REASONS FOR FAILURE

A-0776

ACUTE SCAPHOID FRACTURES

Martin Leixnering

A-0777

SCAPHOID NONUNION

Markus Gabl

Case discussion

19:00-19:15

S03 OPENING CEREMONY

19:15-21:15

S04 DISASTERS OF THE MASTERS

Chair: Daniel Herren, Elisabet Hagert

Five established and experienced hand surgeons are presenting a personal case in which the outcome did not match the anticipated result.

On the basis of these 'disasters', complications and their conclusions will be highlighted. Expect a firework of learning lessons, do's and don'ts, pearls and pitfalls.

Case presentations

Critical analysis

Conclusion

- What went wrong?

- What would I do again like this?

- What did I learn?

Moderated Discussion with questions from the audience

Participants

- Elisabet Hagert (*Sweden*)

- Max Haerle (*Germany*)

- Philippe Bellemère (*France*)

- Radek Kebrle (*Czech Republic*)

- Daniel Herren (*Switzerland*)

- A-0826** CASE REPORT BY DANIEL HERREN
Daniel Herren
- A-0827** HOW CAN SOMETHING SO COMMON SO WRONG?
Elisabet Hagert, Felicia Rosvall
- A-0828** CASE REPORT BY RADEK KEBRLE
Radek Kebrle, Martin Czinner
- A-0829** CASE REPORT BY PHILIPPE BELLEMÉRE
Philippe Bellemère
- A-0830** CASE REPORT: ENDOSCOPIC CARPAL TUNNEL RELEASE
Max Haerle

FESSH 2021 PROGRAM

THURSDAY, 17 JUNE 2021

Hours	CHANNEL 1	CHANNEL 2	CHANNEL 3	CHANNEL 4	CHANNEL 5
07:00-09:00	S05 Instructional Course 1				
09:00-11:30	S06 Live surgery 1				
11:30-12:30	S07 Free Papers 01	S08 Free Papers 02	S09 Free Papers 03	S10 Free Papers 04	S11 Free Papers 05
12:30-14:00	Industry Sponsored Program				
14:00-15:00	S13 Young European Hand Surgeons Session	S14 New innovations in Social Media	S15 Journal Session		
15:00-17:30	Live surgery 2				
17:30-18:00	Industry Sponsored Program				
18:00-19:00	S18 Free Papers 06	S19 Free Papers 07	S20 Free Papers 08	S21 Free Papers 09	
19:00-22:00	S22-S27 Nation competition				

FESSH 2021 PROGRAM

THURSDAY, 17 JUNE 2021

	CHANNEL 1
07:00-09:00	S05 INSTRUCTIONAL COURSE 1
A-0697	MANAGEMENT OF COMPLICATIONS OF FLEXOR TENDON SURGERY Duncan Angus McGrouther
A-0835	MANAGEMENT OF FLEXOR TENDON ADHESIONS AND PULLEY LOSS Peter C Amadio
A-0698	THE COMPLEXITY OF THE EXTENSOR TENDON David Elliot, Thomas Giesen
A-0699	MANAGEMENT OF COMPLICATIONS IN SENSORY NERVE SURGERY Pierluigi Tos
A-0700	COMPLICATIONS: MIXED NERVE REPAIR Dominic Power
A-0701	MANAGEMENT OF CARPAL TUNNEL RELEASE COMPLICATIONS Daniel Nagle
A-0702	MANAGEMENT OF FINGER FRACTURE COMPLICATIONS Mick Kreulen
A-0703	COMPLICATIONS IN CARPAL FRACTURES Florian Lampert
A-0704	MANAGEMENT OF COMPLICATIONS OF SCAPHOID FRACTURE FIXATION Geert Buijze
A-0705	LUNATE FACET FRACTURES OF THE DISTAL RADIUS Greg Bain, Simon MacLean
A-0706	COMPLICATIONS AND DRFS. PEARLS AND PITFALLS Niels Schep

09:00-11:30 S06 LIVE SURGERY 1

09:00-10:00 Moderators onsite: Niels Schep, Xander Smit
Experts online: Daniel Herren, Stephan Schindele

TABLE I: PROXIMAL INTERPHALANGEAL/METACARPOPHALANGEAL PHALANGEAL JOINT

MCP thumb fusion

Mini external fixator (PIP)

Surgeons: Miryam Obdeijn, Simon Strackee

TABLE II: TRAPEZIOMETACARPAL/PROXIMAL INTERPHALANGEAL PHALANGEAL JOINT

CMC 1 implant

PIP implant

Surgeons: Tjeerd de Jong, Arnold Schuurman

10:30-11:30 Moderators onsite: Frederik Verstreken, Alex Lluch
Experts online: Maurizio Calcagni, Frank Beeres

TABLE I: RADIUS FRACTURES

Plate and spanning

3D imaging

Surgeons: Joost Colaris, Jan Debeij

TABLE II: RADIUS FRACTURES

Radius plating

Radius/forearm plating

Surgeons: Niels Schep, Roland Klein Nagelvoort

11:30-12:30 S07 DISTAL RADIUS FRACTURES

Chair: Philippe Liverneaux

A-0104 TREATMENT OF MINIMALLY DISPLACED METAPHYSEAL BOTH-BONE FRACTURES OF THE DISTAL FOREARM IN CHILDREN: LONG-TERM RESULTS OF A RANDOMISED CONTROLLED MULTICENTER TRIAL.

Linde Musters, Leon W. Diederix, Kasper C. Roth, Pim P. Edomskis, Gerald A. Kraan, Jan H. Allema, Max Reijman, Joost W. Colaris | *Linde Musters, Department of Orthopedics, Noordwest Ziekenhuis-groep Alkmaar*

A-0052 A NEW CLINICAL PATHWAY FOR THE MANAGEMENT OF PAEDIATRIC DISTAL RADIUS TORUS FRACTURES – FEWER APPOINTMENTS AND SAFE CARE

Raj Pradhan¹, Colin McDonald¹, Aashish Ahluwalia¹, Alistair Hunter¹ | *University College Hospital, London, UK*

A-0241 COMPLICATIONS OF THE NONOPERATIVE VERSUS OPERATIVE TREATMENT OF DISPLACED AND REDUCED DISTAL RADIAL FRACTURES IN ADULTS: A SYSTEMATIC REVIEW

Eva A.K. van Delft^{1,2}, Emilien C. J. Wegerif¹, Ralph de Vries¹, Jeffrey Vermeulen³, Frank W. Bloem-ers¹. | *¹Amsterdam UMC, Vrije Universiteit Amsterdam, Netherlands; ²Sparne Gasthuis, Haarlem, Netherlands; ³Maasstad Ziekenhuis, Rotterdam, Netherlands*

A-0004 PRONATOR QUADRATUS REPAIR AFTER VOLAR PLATE FIXATION IN DISTAL RADIAL FRACTURES: EVALUATION OF THE CLINICAL AND FUNCTIONAL OUTCOME AND OF THE PROTECTIVE ROLE ON THE FLEXOR TENDONS – A RANDOMIZED CONTROLLED STUDY

Chul Ki Goorens¹, Pieter-Bastiaan De Keyzer^{1,2}, Kjell Van Royen², Steven Provyn¹, Jean Goubau² | ¹Regionaal Ziekenhuis Tienen, Tienen, Belgium; ²Universitair Ziekenhuis Brussel, Brussel, Belgium

A-0413 THE MANAGEMENT OF ACUTE ON CHRONIC DISTAL RADIUS FRACTURES

Jorge Orbay¹, Menar Wahood², Abby Halpern², Deana Mercer³ | ¹The Miami Hand & Upper Extremity Institute, Miami, FL, USA; ²Larkin University Hospital, Department of Orthopedics, Miami, FL, USA; ³The University of New Mexico, Department of Orthopaedics, Albuquerque, NM, USA

A-0025 IMPACT OF AGE ON OUTCOMES OF FLEXOR TENDON RUPTURE FOLLOWING DISTAL RADIUS FRACTURE

Koji Moriya¹, Yutaka Maki¹, Naoto Tsubokawa¹ | ¹Niigata Hand Surgery Foundation, Japan

A-0375 APPLICATION OF CONTINUOUS PASSIVE MOTION MACHINE IN PATIENTS WITH DISTAL RADIUS FRACTURES; RANDOMIZED CLINICAL TRIAL

Maryam Farzad^{1,4}, Joy MacDermid^{1,2}, Arezoo Shirzadi⁴, Amir Reza Farhoud³, Erfan Shafiee¹ | ¹School of Physical Therapy, Department of Health and Rehabilitation Sciences, University of Western Ontario, Canada; ²Roth McFarlane Hand and Upper Limb Centre, St. Joseph's Hospital, London, Ontario, Canada; ³Tehran University of medical sciences, Tehran, Iran; ⁴University of social welfare and rehabilitation sciences, Tehran, Iran

A-0358 PAIN AT REST, MOVEMENT EVOKED PAIN, AND THEIR RATIO PREDICT PAIN AND DISABILITY AT SIX- AND 12-MONTHS AFTER DISTAL RADIUS FRACTURE

Maryam Farzad^{1,5}, Joy C MacDermid^{1,2}, Saurabh Mehta⁴, Ruby Grewal³, Erfan Shafiee¹ | ¹School of Physical Therapy, Department of Health and Rehabilitation Sciences, University of Western Ontario, Canada; ²Roth McFarlane Hand and Upper Limb Centre, St. Joseph's Hospital, London, Ontario, Canada; ³Roth McFarlane Hand and Upper Limb Center, Department of Surgery, Western University, London, ON; ⁴Department of Orthopedic Surgery, Joan C Edwards School of Medicine, Marshall University, Huntington, WV, USA; ⁵University of social welfare and rehabilitation sciences, Tehran, Iran

A-0868 DISTAL RADIUS FRACTURES SESSION COMMENTARY

Philippe Liverneaux

CHANNEL 2

11:30-12:30 **S08 CMC THUMB 1**

Chair: Ilse Degreef

A-0344 COMPARISON BETWEEN THE MANOMETRIC BRACE AND CONVENTIONAL PLASTER BRACE FOR PATIENTS WITH TRAPEZIOMETACARPAL OSTEOARTHRITIS: A CONTROLLED RANDOMISED CROSSOVER CLINICAL TRIAL

E. Eyiis, N.M.C. Mathijssen, P. Veldt-Kok, J. Sluijter, G.A. Kraan | *Reinier de Graaf Hospital, Delft, The Netherlands*

- A-0394** THE PREVALENCE, INCIDENCE, AND PROGRESSION OF RADIOGRAPHIC THUMB BASE OSTEOARTHRITIS IN A POPULATION-BASED COHORT: THE ROTTERDAM STUDY.
 JS Teunissen^{1,2,3}, RM Wouters^{1,2,4}, SMA Bierma-Zeinstra^{5,6}, JBJ van Meurs⁷, TAR Schreuders¹, JM Zuidam¹, RW Selles^{1,2} | ¹Department of Plastic, Reconstructive and Hand Surgery, Erasmus MC, University Medical Centre Rotterdam, The Netherlands; ²Department of Rehabilitation Medicine, Erasmus MC, University Medical Centre Rotterdam, Rotterdam, The Netherlands; ³Department of Plastic, Reconstructive, and Hand Surgery, Radboudumc, Nijmegen, The Netherlands; ⁴Center for Hand Therapy, Handtherapie Nederland, The Netherlands; ⁵Department of General Practice, Erasmus MC, University Medical Centre Rotterdam, Rotterdam, The Netherlands; ⁶Department of Orthopedic Surgery, Erasmus MC, University Medical Centre Rotterdam, Rotterdam, The Netherlands; ⁷Department of Internal Medicine, Erasmus MC, University Medical Centre Rotterdam, Rotterdam, The Netherlands
- A-0384** THE PREVALENCE OF RADIOGRAPHIC THUMB BASE OSTEOARTHRITIS: A META-ANALYSIS
 MJW van der Oest^{1,2,3}, LS Duraku¹, ER Andrinopoulou⁴, RM Wouters^{1,2,5}, SMA Bierma-Zeinstra^{6,7}, RW Selles^{1,2}, JM Zuidam¹ | ¹Department of Plastic, Reconstructive and Hand Surgery, Erasmus MC, Rotterdam, The Netherlands; ²Department of Rehabilitation Medicine, Erasmus MC, Rotterdam, The Netherlands; ³Hand and Wrist Center, Xpert Clinic, the Netherlands; ⁴Department of Biostatistics, Erasmus MC, Rotterdam, The Netherlands; ⁵Center for Hand Therapy, Handtherapie Nederland, Utrecht, The Netherlands; ⁶Department of General Practice, Erasmus MC, Rotterdam, The Netherlands; ⁷Department of Orthopedic surgery, Erasmus MC, Rotterdam, The Netherlands
- A-0349** RADIOLOGICAL MEASUREMENT OF TRAPEZIAL DYSPLASIA – VARIATION OF TRAPEZIAL TILT AND TRAPEZIAL INCLINATION
 Kjell Van Royen¹, Mathieu Gevers¹, Bert Vanmierlo², Thierry Scheerlinck¹, Jean Goubau¹ | ¹UZ Brussel, Brussels, Belgium; ²AZ Delta, Roeselare, Belgium
- A-0352** 3D PLANNING AND PATIENT SPECIFIC INSTRUMENTATION FOR INTRAARTICULAR CORRECTIVE OSTEOTOMY OF TRAPEZIO-METACARPAL AND FINGER JOINTS
 Method Kabelitz¹, Pascal Furrer¹, Sandro Canonica¹, Andreas Schweizer¹ | ¹University Hospital Balgrist, Zürich, Switzerland
- A-0249** LONG-TERM FOLLOW UP AFTER FIRST DORSAL EXTENSION OSTEOTOMY IN EARLY THUMB CARPOMETACARPAL ARTHRITIS
 Enrico Coppo, Philipp Honigmann, Damian Sutter | *Kantonsspital Baselland, Liestal, Switzerland*
- A-0186** AUTOLOGOUS FAT TRANSPLANTATION FOR THUMB CARPOMETACARPAL JOINT OSTEOARTHRITIS (LIPARTHROPLASTY): A CASE SERIES WITH 2 YEARS OF FOLLOW-UP
 Michael Pollak^{1,2}, Matthias Holzbauer^{1,2}, Manfred Schmidt^{2,3}, Oskar Kwasny^{1,2}, Dominik Duscher⁴, Stefan M. Froschauer^{1,2*} | ¹Department for Trauma Surgery and Sport Traumatology, Med Campus III, Kepler University Hospital Linz, Krankenhausstrasse 3, 4020 Linz, Austria; ²Johannes Kepler University Linz, Faculty of Medicine, Altenbergerstraße 69, 4020 Linz, Austria; ³Department of Plastic, Aesthetic, and Reconstructive Surgery, Med Campus III, Kepler University Hospital Linz, Krankenhausstrasse 3, 4020 Linz, Austria; ⁴Department of Plastic Surgery and Hand Surgery, Eberhard Karls University Tuebingen, Germany; * Correspondence: Stefan.froschauer@maz.at; Tel.: 0043 732 780673992

A-0499 TENOSUSPENSION TECHNIQUE WITH SUTURE-ANCHOR IN FIRST CARPO-METACARPAL JOINT ARTHRITIS: LONG TERM FOLLOW-UP RESULTS
Laura Martini, G. Caruso, L. Prezioso, S. Sargenti¹, A.Vitali | *Division of Hand and Upper Limb Surgery, Azienda Usl Toscana Centro - Palagi Hospital, Florence, Italy; ¹Physiotherapist Unit, Azienda Usl Toscana Centro, Florence, Italy*

A-0095 STABILITY OF THE FIRST CARPOMETACARPAL JOINT DURING TRAPEZIECTOMY WITH TENDON SUSPENSION AND INTERPOSITION
Pascal Behm^{1,2}, Miriam Marks¹, Stephen J. Ferguson², Michael Brodbeck¹, Daniel B. Herren¹ | *¹Schulthess Klinik, Switzerland; ²ETH Zurich, Switzerland*

A-0135 METACARPAL SUBSIDENCE FOLLOWING TRAPEZIECTOMY
Abigail E. Meyers, Jillian P. Krebs, Arvin Smith, Antonio Rampazzo, Bahar Bassiri Gharb | *Cleveland Clinic, Cleveland, OH, USA*

A-0861 CMCTHUMB 1 SESSION COMMENTARY
Ilse Degreef

CHANNEL 3

11:30-12:30 S09 CTS 1

Chair: Anne Vochteloo

A-0369 DIAGNOSTIC ACCURACY OF SENSORY AND MOTOR TESTS FOR CARPAL TUNNEL SYNDROME DIAGNOSIS: A SYSTEMATIC REVIEW
Dabbagh A, McDermid JC, Yong J, Macedo LG, Packham TL, Ghodrati M, Armaghan Dabbagh PT PhD Candidate¹, Joy C MacDermid PT PhD^{1,2,3}, Joshua Yong OT MSc⁴, Tara L. Packham OT PhD², Luciana G. Macedo PT PhD², Maryam Ghodrati PT PhD Candidate¹ | *¹School of Physical Therapy, Faculty of Health Science, Western University, London, Ontario, Canada; ²School of Rehabilitation Science, McMaster University, Hamilton, Ontario, Canada; ³Roth McFarlane Hand and Upper Limb Centre, St. Joseph's Hospital, London, Ontario, Canada; ⁴Sengkang General Hospital, Singapore*

A-0368 DETERMINANTS OF PAIN AND DISABILITY AFTER CARPAL TUNNEL RELEASE. SYSTEMATIC REVIEW
Erfan Shafiee¹, Maryam Farzad¹, Joy MacDermid¹, Amirreza Farhoud², Mohammad Mahdavi³ | *¹School of Physical Therapy, Department of Health and Rehabilitation Sciences, University of Western Ontario, London, ON, Canada; ²Imam Hospital, Tehran University of Medical Sciences, Joint Reconstruction Research Center, Tehran, Iran; ³University of Social Welfare and Rehabilitation Sciences, Tehran, Iran*

A-0598 CARPAL TUNNEL SYNDROME: LIVE WITH PAIN OR LIVE WITHOUT PAIN?
Daragan R.¹, Kondrashova I.¹ Kudlai R.¹, Boiko M.¹, Tereshenko A.¹, Daragan V.² | *«City Clinical Hospital №16»¹; «Dnipropetrovsk hospital for war veterans»²Dnipro, Ukraine*

A-0402 SURGICAL INTERVENTION FOR CARPAL TUNNEL SYNDROME IN INDIVIDUALS WITH SPINAL CORD INJURIES - PATIENT CHARACTERISTICS, DIAGNOSTIC CONSIDERATIONS AND TREATMENT OUTCOME
Armin Pallaver^{1,2}, Silvia Schibli¹, Jan Fridén¹ | *¹Swiss Paraplegic Centre, Nottwil, Switzerland; ²Cantonal Hospital of Lucerne, Switzerland*

- A-0692** ULTRASOUND-GUIDED, ULTRA-MINIMALLY-INVASIVE CARPAL TUNNEL RELEASE – LITERATURE REVIEW OF A NOVEL TREND IN HAND SURGERY AND DISCUSSION OF OWN PRELIMINARY RESULTS
Konrad Mende, Valentin Schmid, Dirk J. Schaefer, Andreas Gohritz | *Plastic, Reconstructive and Aesthetic Surgery, Hand Surgery, University Hospital, Basel, Switzerland*
- A-0098** THE PREDICTIVE VALUE OF GRIP STRENGTH IN CARPAL TUNNEL SYNDROME
Balazs Lenkei, Adrienn Lakatos, Zsolt Szabó | *Hand Surgery Center Miskolc, Hungary*
- A-0012** WHAT DOES PREOPERATIVE PINCH STRENGTH PREDICT IN CASE OF CARPAL TUNNEL SYNDROME?
Adrienn Lakatos, Balazs Lenkei, Zsolt Szabo | *Hand Surgery Center, Miskolc, Hungary*
- A-0865** CTS 01 SESSION COMMENTARY
Anne Vochteloo

CHANNEL 4

11:30-12:30 **S10 CLINICAL EXAMINATION / DIAGNOSTIC**

Chair: Leila Harhaus

- A-0608** SENSITIVITY AND SPECIFICITY OF CLINICAL EXAMINATION IN OPEN INJURIES OF THE HAND
Jordan Oldbury¹, James McGhee¹, Alastair Lowrie¹ | *Department of Plastic Surgery, Ninewells Hospital, Dundee, United Kingdom*
- A-0167** DIAGNOSTIC ACCURACY OF HISTORY TAKING, PHYSICAL EXAMINATION AND IMAGING FOR NON-CHRONIC FINGER, HAND AND WRIST LIGAMENT AND TENDON INJURIES: A SYSTEMATIC REVIEW UPDATE.
Patrick Krastman¹, Nina M. Mathijssen³, Sita M.A. Bierma-Zeinstra^{1,2}, Gerald Kraan³, Jos Runhaar¹ | *¹Erasmus MC University Medical Center Rotterdam, Rotterdam, the Netherlands, Department of General Practice. Room NA1911 PO Box 2040, 3000 CA Rotterdam, the Netherlands;* *²Erasmus MC University Medical Center Rotterdam, Rotterdam, the Netherlands, Department of Orthopaedics. Department of General Practice. Room NA1920 PO Box 2040, 3000 CA Rotterdam, the Netherlands;* *³Reinier de Graaf Groep, Delft, the Netherlands, Department of Orthopaedic Surgery. Reinier de Graafweg 5-11, 2625 AD Delft, the Netherlands*
- A-0467** NERVE INJURIES AND DELAYS IN TREATMENT NEGATIVELY IMPACT PATIENT-REPORTED QUALITY OF LIFE
Ivica Ducic¹, John M. Felder² | *¹Washington Nerve Institute, McLean, VA, USA; Washington University, St Louis, USA*
- A-0452** COMPENSATION AFTER HAND SURGERY. A REVIEW OF 1321 CLAIMS TO THE NORWEGIAN SYSTEM OF PATIENT INJURY COMPENSATION 2007- 2017
Sunniva Martine Kolstad Addison¹, Lisa Sofie Albrigtsen¹, Ida Rashida Khan Bukholm^{2,3}, Hebe Désirée Kvernmo^{1,4} | *¹Faculty of Health Sciences, University of Tromsø - Arctic University of Norway;* *²The Norwegian System of Patient Injury Compensation;* *³Norwegian University of Life Sciences;* *⁴Hand Unit, Department of Orthopaedic Surgery, Northern Norway University Hospital*

- A-0263** IMAGE QUALITY AND RADIATION EXPOSURE OF THE MINI C-ARM VERSUS THE C-ARM; IS THERE A CUT-OFF POINT BETWEEN BOTH DEVICE?
JRM van Rappard^{1,2}, MJPF Ritt², SD Strackee², N Veeger¹, CM Moues-Vink¹ | ¹Medical Center Leeuwarden, the Netherlands, ²Amsterdam University Medical Center, the Netherlands
- A-0035** HIGH-RESOLUTION ULTRASOUND IS A MORE USEFUL PRIMARY DIAGNOSTIC TOOL THAN MAGNETIC RESONANCE IMAGING FOR SUBUNGUAL GLOMUS TUMORS
In Cheul Choi, Hyun Jae Ryoo, Ji Hun Park, Jong Woo Kang, Jong Woong Park | Korea University College of Medicine, Seoul, South Korea
- A-0145** WHY DO PATIENTS WITH BREAST CANCER VISIT HAND CLINIC?
Ji Sup Hwang, Yohan Lee, Kee Jeong Bae, Jihyeung Kim, Hyun Sik Gong, Young Ho Lee, Goo Hyun Baek | Seoul National University College of Medicine, Seoul National University Hospital, Korea
- A-0295** COMPLICATIONS AND SAFETY OF THE TRANSPLANTED ORGAN AFTER UPPER EXTREMITY SURGERY IN PATIENTS RECEIVING IMMUNOSUPPRESSANT THERAPY AFTER SOLID ORGAN TRANSPLANTATION
Seonjeong Lee, Jae Kwang Kim, and Young Ho Shin | Department of Orthopaedic Surgery, Asan Medical Center, University of Ulsan College of Medicine, Seoul, South Korea
- A-0075** ELECTRIC CUTTERS, A HEALTH CARE ISSUE
Diogo Andrade Guimarães; Luís Vieira; Luís Ribeiro; Manuel Vilela; Miguel Matias; Pedro Martins; Maria Manuel Mouzinho | Centro Hospitalar Universitário Lisboa Central, Lisboa, Portugal
- A-0860** CLINICAL EXAMINATION / DIAGNOSTIC SESSION COMMENTARY
Leila Harhaus

CHANNEL 5

11:30-12:30 S11 DIP / PIP JOINTS / NAIL

Chair: Piotr Czarnecki

- A-0387** THE RETINACULAR LIGAMENTS OF THE EXTENSOR APONEUROSIS REVISITED
Tomas Borgström¹, Jörgen Trantum Jensen², Lars. B. Dahlin^{1,3} | ¹Department of Hand Surgery, Skåne University Hospital, Malmö, Sweden; ²Department of Cellular and Molecular Medicine, Panum Institute, University of Copenhagen, Denmark; ³Department of Translational Medicine – Hand Surgery, Lund University, Malmö, Sweden
- A-0581** EASY FLOW WITH A MINIFLO? AN EXTERNAL DISTRACTION DEVICE TO OVERCOME JOINT CONTRACTIONS.
Lena Fuest, Luzian Haug, Stefanie Hirsiger, Esther Vögelin | Department of Plastic and Hand Surgery, University Hospital Bern, Switzerland
- A-0286** COMPARATIVE STUDY BETWEEN TENSION BAND WIRING AND COMPRESSION SCREW FOR PROXIMAL INTERPHALANGEAL AND METACARPOPHALANGEAL JOINT ARTHRODESIS
Jorge G. Boretto, Javier Bennice, Ezequiel E. Zaidenberg, Ignacio Rellan, Agustin G. Donndorff, Gerardo L. Gallucci, Pablo De Carli | Hospital Italiano de Buenos Aires, Ciudad Autónoma de Buenos Aires, Argentina

- A-0445** OUTCOMES AND COMPLICATION RATES FOLLOWING THE USE OF THE MATORTHO PIPR ARTHROPLASTY SYSTEM IN THE MANAGEMENT OF PROXIMAL INTERPHALANGEAL JOINT OSTEOARTHRITIS
Timothy Hardwick, Christopher Williams | *Royal Sussex County Hospital, Brighton, UK*
- A-0031** FIVE-YEAR OUTCOMES OF SURFACE REPLACING ARTHROPLASTY AT THE PROXIMAL INTERPHALANGEAL JOINT
Vanessa Reischenböck¹, Miriam Marks², Daniel B. Herren¹, Stephan Schindele¹ | *¹Department of Hand Surgery Schulthess Klinik, Zurich, Switzerland; ²Department of Teaching, Research and Development Schulthess Klinik, Zurich, Switzerland*
- A-0125** PARTIAL RESECTION OF VOLAR PLATE FOR PATIENTS WITH STIFF FINGER
Ji Sup Hwang, Yohan Lee, Kee Jeong Bae, Jihyeung Kim, Hyun Sik Gong, Young Ho Lee, Goo Hyun Baek | *Seoul National University College of Medicine, Seoul National University Hospital, Korea*
- A-0278** PERCUTANEOUS DIP JOINT ARTHRODESIS – OUTCOMES OVER THE LAST 10 YEARS OF PERFORMING THIS TECHNIQUE
Soha Sajid, Jefin, Jose, Akshay Malhotra, David Ford, Simon Pickard | *Robert Jones and Agnes Hunt Orthopaedic Hospital, Oswestry, SY10 7AG*
- A-0867** DIP / PIP JOINTS / NAIL SESSION COMMENTARY
Piotr Czarnecki

	CHANNEL 1
12:30-13:20	INDUSTRY SPONSORED PROGRAM
	CHANNEL 2
13:00-14:00	INDUSTRY SPONSORED PROGRAM
	CHANNEL 3
13:30-14:00	INDUSTRY SPONSORED PROGRAM
	CHANNEL 1
14:00-15:00	S13 SOFT SKILLS. NEW TECHNIQUES BEYOND HAND SURGERY Young European Hand Surgeons Session

Chair: Letizia Marengi

This session would like to help to maintain an awareness of the effect of a more holistic management approach to the patient. NLP (neurolinguistic programming) and mindfulness are transversal topics to all medical fields even more appreciated, implemented and popular.

We will talk about NLP as a method to improve the doctor-patient relationship and the expected outcomes. Moreover the session will focus on the impact of mindfulness in doctors' well-being and how it could be helpful in maintaining the ability to take oneself out of a stressful situation, and get some clarity of thought.

- A-0831** INTRODUCTION
Letizia Marengi
- A-0832** NPL IN MEDICAL PRACTICE
Ian McDermott
- A-0833** MINDFULNESS FOR CLINICIAN WELLBEING
Emma Hodgkinson
- A-0834** FINAL CONCLUSION AND GREETINGS
Letizia Marengi

	CHANNEL 2
14:00-15:00	S14 NEW INNOVATIONS IN SOCIAL MEDIA - DON'T ALLOW YOUR PRACTICE TO FALL BEHIND

Chair: Zafar Naqui, Mireia Esplugas

Social media continues to be a versatile tool in our professional practice - now more so than ever. Learn what's changed and what's new in this rapidly developing area and how you can harness the new digital technologies to improve your own practice.

- A-0778** WELCOME & INTRODUCTION
Zaf Naqui | *UK*
- A-0779** THE NEW FESSH COMMUNICATIONS COMMITTEE - WHAT'S HAPPENING AND WHY?
Viviana Rosero | *Hungary*
- A-0780** HOW DO WE WANT TO MEET IN THE FUTURE? RESULTS OF THE FESSH VIRTUAL SURVEY
Egemen Ayhan | *Turkey*
- A-0781** HOW YOU CAN ORGANIZE A SUCCESSFUL WEBINAR: TIPS & TRICKS.
Anne Vochteloo, Francesca Toia | *The Netherlands, Italy*
- A-0782** HOW TO UP YOUR SOCIAL MEDIA GAME: TIPS & TRICKS
Thomas Aparid | *France*
- A-0783** ARE VIDEOS THE NEW SOCIAL MEDIA TOOLS?
Nikolai Karpinski | *Russia*
- A-0784** WHY STORIES ARE IMPORTANT IN SOME.
Letizia Marengi | *Italy*
- A-0785** HOW TO BEST SHARE YOUR INTERESTING CASES ON SOME.
Justin Hasenecker | *Germany*
- A-0786** CONCLUSIONS AND Q&A
Mireia Esplugas | *Spain*

CHANNEL 3**14:00-15:00****S15 JOURNAL SESSION: UP TO DATE STATISTICS, BEST PAPERS, EDITOR IN CHIEF**

Chair: Gürsel Leblebicioglu

In this session, up-to-date statistical data on JHS-E will be summarized and 10 valuable studies, which were downloaded the most between February 2020 and February 2021, will be presented by their authors. These studies are related to Dupuytren's Disease, teratogenesis, scaphoid fractures, denervation, publication ethics, pulley problems, CMC-I osteoarthritis and clinical evaluation methods. It is a rare opportunity to listen those original studies, which are created by large working groups after spending a long time, from their own authors within an hour.

- A-0825** JOURNAL'S PERFORMANCE
Gürsel Leblebicioglu | *Turkey*
- A-0745** IS DUPUYTREN'S DISEASE REALLY A 'DISEASE OF THE VIKINGS'?
Dominic Furniss, Daniel J Lawson, Bruce Winney, Michael Ng
- A-0746** THE TERATOGENIC EFFECTS OF THALIDOMIDE ON LIMBS
Neil Vargesson
- A-0747** CONTROVERSIES AND BEST PRACTICES FOR ACUTE SCAPHOID FRACTURE MANAGEMENT
Nina Suh, Ruby Grewal
- A-0748** THE OUTCOME OF BONE GRAFT SURGERY FOR NONUNION OF FRACTURES OF THE SCAPHOID
Samer S. Mahmoud, Tim R. C. Davis, Michael Elvey, Ryckie G. Wade, Stephanie Spence, Alexia Karantana, Simon Robinson, Clare Rowan, Alex J. Nicholls, Mohannad B. Ammori
- A-0751** RESPONSIBILITIES OF AUTHORS, INSTITUTES AND JOURNALS ON PUBLICATION
Michel E. H. Boeckstyns, Jin Bo Tang
- A-0753** BASAL THUMB OSTEOARTHRITIS SURGERY IMPROVES HEALTH STATE UTILITY IRRESPECTIVE OF TECHNIQUE: A STUDY OF UK HAND REGISTRY DATA
Matthew D. Gardiner, Robert Poulter, Dominic Furniss, Jennifer C. E. Lane, Jeremy N. Rodrigues, Edward Burn
- A-0766** CLINICAL MEASUREMENT OF THE DART THROWING MOTION OF THE WRIST: VARIABILITY, ACCURACY AND CORRECTION
Vasiliki Vardakastani, Hannah Bell, Sarah Mee, Gavin Brigstocke, Angela E. Kedgley
- A-0767** PATIENT'S SATISFACTION BEYOND HAND FUNCTION IN DUPUYTREN'S DISEASE: ANALYSIS OF 1106 PATIENTS
Steven E. R. Hovius, Yara E. van Kooij, Harm P. Slijper, Ralph Poelstra, Mark J. W. van der Oest, Ruud W. Selles

15:00-17:30	CHANNEL 1
15:00-16:00	S16 LIVE SURGERY 2
	Moderators onsite: Frederik Verstreken, Roland Klein Nagelvoort Experts online: Randy Bindra, Simon Farnébo
	TABLE I: WRIST ARTHROPLASTY Total Wrist Arthroplasty Surgeons: Henk Coert - Anne Vochteloo
	TABLE II: WRIST ARTHROPLASTY Total Wrist Arthroplasty Surgeons: Mick Kreulen - Alex Lluch
16:30-17:30	S16 LIVE SURGERY 2
	Moderators onsite: Tjeerd de Jong, Mick Kreulen Expert online: Erik Walbeehm
	TABLE I: PHALANX (INCL. MALUNION AND MALLET), METACARPAL FRACTURES Various plating options Surgeons: Miryam Obdeijn, Brigitte van der Heijden
	TABLE II: NEUROVASC Nerve and microvascular reconstructions Surgeons: Assa Braakenburg, Tjeerd de Jong
	CHANNEL 1
17:30-18:00	INDUSTRY SPONSORED PROGRAM
	CHANNEL 2
17:30-18:00	INDUSTRY SPONSORED PROGRAM
	CHANNEL 3
17:30-18:00	INDUSTRY SPONSORED PROGRAM
	CHANNEL 1
18:00-19:00	S18 DISTAL RADIUS MALUINON

Chair: Tahir Sadik Sügün

A-0371

DISTAL RADIUS FRACTURE DETECTION WITH CONVOLUTIONAL NEURAL NETWORK

Turkka Anttila¹, Teemu Karjalainen², Eero Waris¹, Nina Lindfors¹, Miika Leminen^{3,4}, Teemu Mäkelä⁵, Jorma Ryhänen¹ | ¹Department of Hand Surgery, HUS Helsinki University Hospital and University of Helsinki, Helsinki, Finland; ²Department of Hand Surgery, Central Finland Central Hospital, Jyväskylä, Finland; ³Analytics and AI development services, IT Department, HUS Helsinki University Hospital, Helsinki, Finland; ⁴Department of Otorhinolaryngology and Phoniatrics, HUS Helsinki University Hospital and University of Helsinki, Helsinki, Finland; ⁵Department of Radiology, HUS Helsinki University Hospital and University of Helsinki, Helsinki, Finland

- A-0441** THE KEYSTONE- LUNATE FOSSA FRAGMENT, VOLAR DISPLACED INTRA-ARTICULAR DISTAL RADIUS FRACTURES
Manikandar Srinivas Cheruvu¹ Debashis Dass¹ Gopikanthan Manoharan¹ David James Ford¹ Ibrahim Roushdi¹ | *Robert Jones and Agnes Hunt Orthopaedic Hospital, Oswestry, United Kingdom*
- A-0280** FOLLOW UP OF DISTAL RADIUS VOLAR PLATING – NO ROLE FOR POST-OPERATIVE RADIOGRAPHS
Jefin Jose Edakalathur, Manikandar Srinivas Cheruvu, Simon J Pickard | *Robert Jones and Agnes Hunt Hospital, Oswestry, United Kingdom*
- A-0488** THE ROLE OF PATIENT SPECIFIC IMPLANTS IN COMPLEX 3D RECONSTRUCTIONS OF THE DISTAL FOREARM
Radek Kebrle^{1,2}, Niels Schep³, Martin Czinner^{1,2,4} | *¹Klinika Dr. Pírka, CZ; ²Vysoké nad Jizerou, CZ; ³Maasstad Ziekenhuis, NL; ⁴Krajská nemocnice Liberec, CZ*
- A-0585** CORRECTIVE OSTEOTOMY FOR DIAPHYSEAL FOREARM MALUNIONS USING 3D PLANNING AND PATIENT-SPECIFIC SURGICAL GUIDES: CLINICAL AND RADIOGRAPHICAL OUTCOME IN 30 PATIENTS WITH A MINIMUM FOLLOW-UP OF 1 YEAR
De Keyzer P.-B.^{1,2}, Walschot L.³, Van Haver M.^{2,4}, Vanhees M.^{2,5}, Verstreken F.^{2,5} | *¹AZ Maria Midde-
delares, Gent, Belgium; ²AZ Monica, Antwerp, Belgium; ³AZ St.-Maarten, Mechelen, Belgium; ⁴MoRe
Institute, Antwerp, Belgium; ⁵Universitary hospital Antwerp, Antwerp, Belgium*
- A-0252** FRACTURE-DISLOCATIONS OF THE FOREARM JOINT. A SYSTEMATIC REVIEW OF THE LITERATURE AND A COMPREHENSIVE LOCKER-BASED CLASSIFICATION SYSTEM
Stefano Artiaco MD, Ph.D., Federico Fusini MD, Arman Sard MD, Elisa Dutto MD, Matteo Ferrero MD, Bruno Battiston MD, Ph.D. bbattiston@cittadellasalute.to.it | *Orthopaedic and Trauma Center, CTO Hospital, Turin, Italy*
- A-0616** DISTRIBUTION OF SENSORY NERVE ENDINGS IN THE INTEROSSEOUS MEMBRANE OF THE FOREARM
Susanne Rein^{1,2}, Mireia Esplugas³, Marc Garcia-Elias³, Thomas Magin⁴, Frank Siemers^{2,5}, Hubertus Philipps¹ | *¹Department of Plastic and Hand Surgery, Burn Unit, Hospital Sankt Georg, Delitzscher
Straße 141, 04129 Leipzig, Germany; ²Martin-Luther-University, Halle-Wittenberg, Germany;
³Institut Kaplan, Hand and Upper Extremity Surgery, Paseo de la Bonanova 9, 08022, Barcelona,
Spain; ⁴Division of Cell and Developmental Biology, Institute of Biology, University of Leipzig,
Philipp-Rosenthal-Str. 55, 04103 Leipzig, Germany; ⁵Department of Plastic and Hand Surgery, Burn
Unit, Trauma Center Bergmannstrost, Merseburger Straße 165, 06112 Halle (Saale), Germany*
- A-0869** DISTAL RADIUS MALUNION SESSION COMMENTARY
Tahir Sadik Sügün

Chair: Uri Farkash

- A-0290** INFLUENCE OF THE 1ST CARPOMETACARPAL JOINT FUSION ON THUMB-TIP MOVEMENT
Toshiyasu Nakamura¹, Yusuke Kawano², Mitsunori Tada³, Takeo Nagura² | ¹*Department of Orthopaedic Surgery, International University of Health and Welfare, Tokyo, Japan;* ²*Department of Biomechanics, Keio University, Tokyo, Japan;* ³*Digital Human Research Center, National Institute of Advanced Industrial Science and Technology, Tokyo, Japan*
- A-0627** IMPROVED PRESERVATION OF THE PINCH STRENGTH BY THE PYRODISK CMC THUMB ARTHROPLASTY COMPARED TO TRAPEZIECTOMY WITH INTERPOSITION ARTHROPLASTY
Brigitte van der Heijden^{1,2}, Simone Donners³, Joris Teunissen², Arnold Schuurman³, Cecile van Laarhoven⁴ | ¹*Jeroen Bosch Ziekenhuis, Den Bosch, NL;* ²*Radboudumc, Nijmegen, NL;* ³*UMCU, Utrecht, NL;* ⁴*ErasmusMC, Rotterdam, NL*
- A-0032** CAPSULAR RESECTION OR SUTURE IN THUMB CARPOMETACARPAL JOINT IMPLANT ARTHROPLASTY?
Vanessa Reischenböck¹, Michael Oyewale², Miriam Marks², Stephan Schindele¹, Daniel B. Herren¹ | ¹*Department of Hand Surgery Schulthess Klinik, Zurich, Switzerland;* ²*Department of Teaching, Research and Development Schulthess Klinik, Zurich, Switzerland*
- A-0156** LONG TERM RESULTS OF ELEKTRA PROSTHESIS COMPARED TO RESECTION-SUSPENSION ARTHROPLASTY FOR THUMB CARPOMETACARPAL OSTEOARTHRITIS
Stefan M Froschauer¹, Matthias Holzbauer¹, Oskar Kwasny¹, Julian A Mihalic¹, Dominik Duscher^{1,2} | ¹*Kepler University Hospital Linz, Department for Trauma Surgery and Sportstraumatology, Linz, Austria;* ²*Eberhard Karls University, Department for Plastic, reconstructive and Hnad Surgery, Tuebingen, Germany*
- A-0551** PYROCARDAN IMPLANT ARTHROPLASTY FOR TRAPEZIOMETACARPAL OSTEOARTHRITIS WITH A MINIMUM FOLLOW-UP OF 5 YEARS
Emanuele Gerace¹, Deborah Royaux², Etienne Gaisne², Ludovic Arduin², Philippe Bellèmer² | ¹*ASST Cremona, Lombardy, Italy;* ²*Institut de la Main Nantes-Atlantique, Saint Herblain, France*
- A-0491** LONG-TERM FOLLOW-UP OF PATIENTS TREATED WITH PYROCARBON DISC IMPLANT FOR THUMB CARPOMETACARPAL OSTEOARTHRITIS: THE EFFECT OF DISC POSITION ON OUTCOMES MEASUREMENTS.
Janna S. E. Ottenhoff¹, Cecile. M.C.A. van Laarhoven^{1,2}, Mark van Heijl³, Arnold H. Schuurman¹, J. Henk Coert¹, Brigitte E.P.A. van der Heijden^{4,5} | ¹*Department of Plastic, Reconstructive, and Hand Surgery, University Medical Center, Utrecht, The Netherlands;* ²*Department of Plastic, Reconstructive, and Hand Surgery, Erasmus Medical Center, Rotterdam, The Netherlands;* ³*Department of Surgery, Hand and Wrist Unit, Diaconessenhuis, Utrecht, The Netherlands;* ⁴*Department of Plastic and Hand Surgery, Jeroen Bosch Hospital, 's-Hertogenbosch, The Netherlands;* ⁵*Department of Plastic Surgery, Radboud Medical Center, Nijmegen, The Netherlands.*

A-0596 DUAL-MOBILITY TOUCH PROSTHESIS: A FUNCTIONAL ALTERNATIVE IN SURGICAL TREATMENT OF PAINFUL THUMB OSTEOARTHRITIS: A PROSPECTIVE ANALYSIS WITH 41 PROSTHESES
 Florian Falkner^{1,2}, Arman Mahmut Tümkaya^{1,2}, Benjamin Thomas^{1,2}, Benjamin Panzram³, Ulrich Kneser^{1,2}, Leila Harhaus^{1,2}, Berthold Bickert^{1,2} | ¹*Department of Hand, Plastic and Reconstructive Surgery, Burn Center, BG Trauma Center Ludwigshafen, Ludwig-Guttman-Strasse 13, 67071 Ludwigshafen, Germany;* ²*Hand and Plastic Surgery, University of Heidelberg, Heidelberg, Germany;* ³*Center of Orthopaedics, Trauma Surgery and Paraplegiology, University of Heidelberg, Germany*

A-0326 REVISION OF ARPE TRAPEZIOMETACARPAL ARTHROPLASTY BY ISOLATED HEAD AND LINEAR EXCHANGE IN 5 CASES.
 Nicolas Bigorre, Alexandre Petit, Jérôme Brunet, Yann Saint Cast, Guy Raimbeau | *Centre de la Main, Angers, France*

A-0057 MAJOR COMPLICATIONS ASSOCIATED WITH TRAPEZIOMETACARPAL TOTAL ARTHROPLASTY (TMCA) IN VALDECILLA HOSPITAL
 Jose Antonio Fernández-Dívar, Manuel Sánchez, Higinio Ayala, Jose Couceiro, M de los Angeles De la Red, Fernando Javier Del Canto. | *Hospital Universitario Marqués de Valdecilla, Santander, Spain.*

A-0862 CMC THUMB 2 ARTHROPLASTY SESSION COMMENTARY
 Uri Farkash

	CHANNEL 3
18:00-19:00	S20 CTS 2 / CUTS

Chair: Stephanie Zielinski

A-0673 A PROSPECTIVE COMPARATIVE STUDY BETWEEN MONOCRYL, VICRYL RAPIDE AND ETHILON FOR SKIN CLOSURE IN OPEN CARPAL TUNNEL DECOMPRESSION
 Dominique Hughes¹, Pauline McGee¹, Luca Lancerotto¹, Gillian Robertson¹, Claire Simpson¹, Dominique Davidson¹ | ¹*St John's Hospital, Livingston, UK*

A-0300 MEDIAN NERVE ENTRAPMENT SYNDROME IN THE ELBOW AND PROXIMAL FOREARM. ANATOMIC CAUSES OF COMPRESSION AND 55 CASES SERIES SURGICAL TREATMENT OUTCOMES AT SEVEN YEARS MEAN FOLLOW-UP.
 Clara Sos¹, Steven Roulet¹, Jacky Laulan¹, Guillaume Bacle^{1,2} | ¹*Service de chirurgie orthopédique et traumatologique, unité de chirurgie de la main et des nerfs périphériques, Hôpital Trousseau, Centre Hospitalo-Universitaire, Tours, France;* ²*UMR 1253, iBrain, Université de Tours, Inserm, Tours, France*

A-0609 WORK-RELATED RISK FACTORS FOR ULNAR NERVE ENTRAPMENT IN THE NORTHERN FINLAND BIRTH COHORT OF 1966.
 Laura Miettinen¹, Jorma Ryhänen¹, Rahman Shiri², Jaro Karppinen^{3,4}, Jouko Miettunen^{3,5}, Juha Auvinen^{3,5,6}, Sina Hulkkonen¹ | ¹*Department of Hand Surgery, Helsinki University Hospital and University of Helsinki, Finland;* ²*Finnish Institute of Occupational Health, Helsinki, Finland;* ³*Medical Research Center Oulu, Oulu University Hospital and University of Oulu, Oulu, Finland;* ⁴*Finnish Institute of Occupational Health, Oulu, Finland;* ⁵*Center for Life Course Health Research, University of Oulu, Oulu Finland;* ⁶*Oulunkaari Health Center, li, Finland*

A-0187 OUTCOME OF SIMPLE DECOMPRESSION OF PRIMARY CUBITAL TUNNEL SYNDROME BASED ON PATIENT REPORTED OUTCOME MEASUREMENTS
N.H.A. Mendelaar^{1,2,3}, C.A. Hundepool¹, L. Hoogendam^{1,2,3}, L.S. Duraku^{1,3}, D.M. Power⁴, E.T. Walbeehm^{3,5}, R.W. Selles^{1,2}, J.M. Zuidam¹, the Hand-Wrist Study Group | ¹Department of Plastic, Reconstructive and Hand Surgery, Erasmus MC - University Medical Centre Rotterdam, The Netherlands; ²Department of Rehabilitation Medicine, Erasmus MC - University Medical Centre Rotterdam, The Netherlands; ³Hand and Wrist Centre, Xpert Clinic, The Netherlands; ⁴Birmingham Hand Centre, University Hospitals Birmingham, NHS Foundation Trust; ⁵Peripheral Nerve centre, Radboudumc, Nijmegen, the Netherlands

A-0284 HYPER-SELECTIVE ULNAR NERVE NEURECTOMY AT THE WRIST, PROXIMAL TO GUYON'S CANAL, A POINT OF TECHNIQUE THAT HAS BEEN DEVELOPED BASED ON CADAVERIC DISSECTIONS AND THE OSWESTRY EXPERIENCE OF APPLYING THIS PROCEDURE
Soha Sajid, Jefin Jose, Simon Pickard | Robert Jones and Agnes Hunt Orthopaedic Hospital, Oswestry, SY10 7AG

A-0866 CTS 01 / CUTS SESSION COMMENTARY
Stephanie Zielinski

CHANNEL 4

18:00-19:00 S21 OUTCOME MEASUREMENTS

Chair: Çiğdem Öksüz

A-0317 TEST-RETEST RELIABILITY AND CONSTRUCT VALIDITY OF THE SATISFACTION WITH TREATMENT RESULT QUESTIONNAIRE IN PATIENTS WITH HAND AND WRIST CONDITIONS: A PROSPECTIVE STUDY
Willemijn De Ridder^{1,2,3,4}, Yara Van Kooij^{1,2,4}, Guus Vermeulen³, Harm Slijper^{1,2,3}, Ruud Selles^{1,2}, The Hand-Wrist Study Group Collaborators; Robbert Wouters^{1,2,4} | ¹Department of Plastic, Reconstructive and Hand Surgery, Erasmus MC, University Medical Center Rotterdam, Rotterdam, The Netherlands; ²Department of Rehabilitation Medicine, Erasmus MC, University Medical Center Rotterdam, Rotterdam, The Netherlands; ³Hand and Wrist Center, Xpert Clinic, The Netherlands; ⁴Center for Hand Therapy, Handtherapie Nederland, Utrecht, The Netherlands

A-0382 PREDICTING SYMPTOM IMPROVEMENT AFTER CARPAL TUNNEL RELEASE: A MACHINE LEARNING APPROACH
L Hoogendam^{1,2,3}, JAC Bakx^{1,2,3}, JS Souer³, HP Slijper³, the Hand Wrist study group, RW Selles^{1,2} | ¹Department of Plastic, Reconstructive and Hand Surgery, Erasmus MC, Rotterdam, The Netherlands; ²Department of Rehabilitation Medicine, Erasmus MC, Rotterdam, The Netherlands; ³Hand and Wrist Center, Xpert Clinic, the Netherlands

A-0038 MEASUREMENT PROPERTIES OF THE EQ-5D-5L QUESTIONNAIRE IN PATIENTS AFTER THUMB CARPOMETACARPAL ARTHROPLASTY, ROTATOR CUFF REPAIR OR SHOULDER ARTHROPLASTY
Miriam Marks, Cécile Grobet, Laurent Audigé | Schulthess Klinik, Zurich, Switzerland

A-0528 MEASUREMENT PROPERTIES OF THE MICHIGAN HAND OUTCOMES QUESTIONNAIRE: RASCH ANALYSIS OF RESPONSES FROM A TRAUMATIC HAND INJURY POPULATION
Maryam farzad, Joy Macdermid, Amirreza kachooei, Erfan Shafiee | School of Rehabilitation Science, McMaster University, Hamilton, Ontario Canada, 2. Roth McFarlane Hand and Upper Limb Centre, St. Joseph's Hospital, London, ON Canada

- A-0633** A SYSTEMATIC REVIEW OF HEALTH UTILITIES AND THEIR DERIVATION METHODS FOR HAND CONDITIONS
 Luke Geoghegan¹, Conrad J Harrison², Jeremy N Rodrigues^{2,3} | ¹Section of Vascular Surgery, Division of Surgery and Cancer, Imperial College London. London, UK; ²Nuffield Department of Orthopaedics, Rheumatology and Musculoskeletal Sciences, University of Oxford. Oxford, UK; ³Department of Plastic, Reconstructive and Hand Surgery. Stoke Mandeville Hospital. Aylesbury, UK
- A-0329** PSYCHOMETRIC QUALITIES OF THE PRWHE-DLV IN PATIENTS WITH WRIST COMPLAINTS IN SECONDARY CARE.
 E.J. Perpétua Alvino¹, P. Krastman³, J. Runhaar³, J.W. Colaris², G. Kraan¹, N. M.C. Mathijssen¹ | ¹Reinier de Graaf Groep, Delft, the Netherlands, Department of Orthopaedic Surgery. Reinier de Graafweg 5-11, 2625 AD Delft, the Netherlands; ²Erasmus MC University Medical Center Rotterdam, Rotterdam, the Netherlands, Department of Orthopaedics. Department of General Practice. Room NA1920 PO Box 2040, 3000 CA Rotterdam, the Netherlands; ³Erasmus MC University Medical Center Rotterdam, Rotterdam, the Netherlands, Department of General Practice. Room NA1911 PO Box 2040, 3000 CA Rotterdam, the Netherlands
- A-0366** VALIDATION OF PATIENT RATED WRIST/ HAND EVALUATION: CONFIRMATORY FACTOR ANALYSIS AND RASCH ANALYSIS
 Maryam Farzad^{1,3}, Joy MacDermid^{1,2}, Ze Lu¹, Erfan Shafiee¹ | ¹School of Physical Therapy, Department of Health and Rehabilitation Sciences, University of Western Ontario, Canada; ²Roth McFarlane Hand and Upper Limb Centre, St. Joseph's Hospital, London, Ontario, Canada; ³University of social welfare and rehabilitation sciences, Tehran, Iran
- A-0318** WHICH FACTORS INDEPENDENTLY CONTRIBUTE TO SATISFACTION WITH TREATMENT RESULT FOLLOWING COMMON TREATMENTS FOR HAND AND WRIST CONDITIONS? A LARGE COHORT ANALYSIS.
 Willemijn De Ridder^{1,2,3,4}, Robbert Wouters^{1,2,4}, Lisa Hoogendam^{1,2,3}, Guus Vermeulen³, Harm Slijper^{1,2,3}, The Hand-Wrist Study Group Collaborators, Ruud Selles^{1,2} | ¹Department of Plastic, Reconstructive and Hand Surgery, Erasmus MC, University Medical Center Rotterdam, Rotterdam, The Netherlands; ²Department of Rehabilitation Medicine, Erasmus MC, University Medical Center Rotterdam, Rotterdam, The Netherlands; ³Hand and Wrist Center, Xpert Clinic, The Netherlands; ⁴Center for Hand Therapy, Handtherapie Nederland, Utrecht, The Netherlands
- A-0427** DETERMINATION OF THE MINIMALLY IMPORTANT CHANGE OF THE MICHIGAN HAND OUTCOMES QUESTIONNAIRE FOR SEVENTEEN DIAGNOSIS TREATMENT COMBINATIONS
 Jaimy E Koopman^{1,2,3}, Lisa Hoogendam^{1,3}, Yara E van Kooij^{1,2,4}, Ruud W Selles^{1,2}, Harm P Slijper^{1,2,3}, Reinier Feitz³, Robbert M Wouters^{1,2,4} | ¹Department of Plastic, Reconstructive Surgery and Hand Surgery, Erasmus Medical Centre, Rotterdam, The Netherlands; ²Department of Rehabilitation Medicine, Erasmus MC, University Medical Center Rotterdam, the Netherlands; ³Hand and Wrist Center, Xpert Clinic, the Netherlands; ⁴Center for HandTherapy, Handtherapie Nederland, Utrecht, The Netherlands

A-0168 PSYCHOMETRIC QUALITIES OF THE PRWHE-DLV IN PATIENTS WITH WRIST COMPLAINTS IN PRIMARY CARE.

Britt van Gorp¹, Patrick Krastman¹, Gerald Kraan³, Nina M.C. Mathijssen³, Sita M.A. Bierma-Zeinstra^{1,2}, Jos Runhaar¹ | ¹ *Erasmus MC University Medical Center Rotterdam, Rotterdam, the Netherlands, Department of General Practice. Room NA1911 PO Box 2040, 3000 CA Rotterdam, the Netherlands;* ² *Erasmus MC University Medical Center Rotterdam, Rotterdam, the Netherlands, Department of Orthopaedics. Department of General Practice. Room NA1920 PO Box 2040, 3000 CA Rotterdam, the Netherlands;* ³ *Reinier de Graaf Groep, Delft, the Netherlands, Department of Orthopaedic Surgery. Reinier de Graafweg 5-11, 2625 AD Delft, the Netherlands*

A-0880 OUTCOME MEASUREMENTS SESSION COMMENTARY

Çiğdem Öksüz

	CHANNEL 1
19:00-19:30	S22 DRF MALUNION

Moderators: Frederik Verstreken, Simon Roner

A-0836 FREE HAND DISTAL RADIUS MALUNION CORRECTION

Alberto Lazzarini

A-0837 3D PLANNING FOR CORRECTION OSTEOTOMIES OF THE DISTAL RADIUS

Andreas Schweizer

19:30-20:00	S23 WRIST ARTHRITIS
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Moderators: Max Haerle, Marina Brndusic

Experts:

- Ole Reigstad
- Ilse Degreef
- Aude Lombard

Surgical techniques:

- Arthrodesis
- Arthroplasty
- Denervation

A-0838 WRIST ARTHRITIS 1

Ole Reigstad

A-0839 WRIST ARTHRITIS 2

Ilse Degreef

A-0840 WRIST ARTHRITIS 3

Aude Lombard

20:00-20:30 S24 SL DISSOCIATION

Moderators: Carlos Heras-Palou, Michiel Cromheecke

A-0841 SL DISSOCIATION 1

Mireia Esplugas

A-0842 SL DISSOCIATION. OPEN APPROACH

Igor Golubev

20:30-21:00 S25 DRU INSTABILITY

Moderators: Jan-Ragnar Haugstvedt, Eske Brand

Experts:

- Eva-Maria Baur

- Reinier Feitz

Surgical techniques:

- Open TFSS reinsertion

- Arthroscopic TFSS reinsertion

A-0843 DRU INSTABILITY 1

Eva-Maria Baur

A-0844 DRU INSTABILITY 2

Reinier Feitz

21:00-21:30 S26 CMC ARTHRITIS

Moderators: Daniel Herren, Kyriasis

Experts:

- Rasmus Thorkildsen

- Ana Pinto

- Filippos Giannoulis

Surgical techniques:

- Resection arthroplasty

- Implant arthroplasty

- Resection Arthroplasty with Suspension interposition

A-0845 CMC ARTHRITIS 1

Rasmus Thorkildsen

A-0846 RESECTION ARTHROPLASTY WITH SUSPENSION INTERPOSITION- TRIPLE A TECHNIQUE

Ana Pinto

A-0847 CMC ARTHRITIS 3

Filippos Giannoulis

Moderators: Maurizio Calcagni, Alessandro Crosio

A-0848

NEUROMA RESECTION

Sofija Pejnova

A-0849

TMR SURGERY FOR NEUROMA PAIN

Norbert Kang

A-0850

NERVE RECONSTRUCTION

Hanna-Stiina Taskinen

FESSH 2021 PROGRAM

FRIDAY, 18 JUNE 2021

Hours	CHANNEL 1	CHANNEL 2	CHANNEL 3	CHANNEL 4	CHANNEL 5
07:00-09:00	S28 Instructional Course 2				
09:00-11:30	S29 Live surgery 3				
11:30-12:30	S30 Free Papers 10	S31 Free Papers 11	S32 Free Papers 12	S33 Free Papers 13	S34 Free Papers 14
12:30-14:00	Industry Sponsored Program				
14:00-15:00	S36 Free Papers 15	S37 Free Papers 16	S38 Free Papers 17	S39 Free Papers 18	S40 Free Papers 19
15:00-17:30	S41 Live surgery 4				
17:30-18:30	S42 Free Papers 20	S43 Free Papers 21	S44 Free Papers 22	S45 Free Papers 23	
18:30-19:00	Meet the Industry				
19:00-20:00	S47 - S50 - S53 Nerve Round tables	S48 - S51 - S54 Wrist Round tables	S49 - S88		
20:00-21:00			Complicated cases Round tables		
21:00-22:00					

FRIDAY, 18 JUNE 2021

	CHANNEL 1
07:00-09:00	S28 INSTRUCTIONAL COURSE 2
A-0707	DISTAL RADIUS MALUNION: TEN YEARS OF EXPERIENCE IN 3-DIMENSIONAL RADIUS RECONSTRUCTION. PITFALLS, COMPLICATIONS, TIPS AND TRICKS Simon Strackee
A-0708	MANAGEMENT OF DISTAL RADIUS MALUNION: PRACTICAL GUIDELINES Frederik Verstreken
A-0709	COMPLICATIONS AFTER PIP ARTHROPLASTY Daniel Herren
A-0710	MANAGEMENT OF COMPLICATIONS OF THUMB CMC SURGERY Filip Stockmans
A-0711	TREATMENT OF COMPLICATIONS OF MIDCARPAL JOINT ARTHRITIS Eva-Maria Baur, Riccardo Luchetti <i>Germany</i>
A-0712	MANAGEMENT OF COMPLICATIONS AFTER COMMONLY PERFORMED SALVAGE PROCEDURES OF THE RADIOCARPAL AND DISTAL RADIOULNAR JOINT Michel E. H. Boeckstyns
A-0713	MANAGEMENT OF COMPLICATIONS OF LIGAMENT REPAIR OF THUMB Mike Ruettermann
A-0714	COMPLICATIONS AFTER SCAPHOLUNATE LIGAMENT REPAIR Alex Lluch
A-0715	MANAGEMENT OF COMPLICATIONS FOLLOWING TFC SURGERY Greg Bain, Andrea Atzei
A-0716	DERMATOFASCIECTOMY AND SKIN GRAFTING Paul Werker, Ilse Degreef
A-0717	MANAGEMENT OF COMPLICATIONS IN THE TREATMENT OF FINGERTIP INJURIES Maurizio Calcagni

9:00-11:30

S29 LIVE SURGERY 3

9:00-10:00 Moderators onsite: Anne Vochteloo - Jan Debeij
Experts online: Jan-Ragnar Haugstvedt - Maurizio Calcagni

TABLE I: DISTAL RADIO ULNAR JOINT ARTHROPLASTY

Ulnar head implant

Total DRU

Surgeons: Simon Strackee - Arnold Schuurman

TABLE II: SCAPHOID FRACTURES

Screw

Open and bone graft with plate

Surgeons: Brigitte van der Heijden - Alex Lluch

10:30-11:30 Moderators onsite: Miryam Obdeijn - Assa Braakenburg
Expert online: Dominic Power

TABLE I: NERVE

Nerve reconstruction, neuroma treatment

Surgeons: Erik Walbeehm - Mick Kreulen

TABLE II: NERVE

Nerve reconstruction, neuroma treatment

Surgeons: Henk Coert - Xander Smit

11:30-12:30

S30 SCAPHOID

Chair: Shai Luria

A-0193 WRIST ANGLE MEASUREMENTS IN PREDICTING THE PRESENCE OF A SCAPHOID FRACTURE
Ronit Wollstein¹, Jacob Becker¹, Andrew Brash¹, Raj Karia¹, Shai Luria² | ¹*NYU Langone School of Medicine*; ²*Hadassah Medical Center*

A-0618 CLINICAL DILEMMA: SHOULD WE OPERATE PATIENTS WITH SCAPHOID NONUNION AND GOOD PREOPERATIVE PRWHE SCORES TO PREVENT PROGRESSIVE OSTEOARTHRITIS?
Abigael Cohen¹, Max Reijman¹, Ruud W Selles¹, Steven E R Hovius², the Hand-Wrist Study Group Collaborators, Joost W Colaris¹ | ¹*Erasmus MC, Rotterdam, the Netherlands*; ²*Xpert Clinic, Hand and Wrist Surgery, the Netherlands*

A-0220 PEDICLED VASCULARIZED BONE GRAFT FOR 100 REFRACTORY SCAPHOID NONUNIONS
Keikichi Kawasaki¹, Takeshi Sakai¹, Wakako Sakamoto¹, Takuma Kuroda², Sadaaki Tsutsui², Gaku Niizuma², Tetsuya Nemoto², Kazutoshi Kubo³, Tomohiro Yasuda⁴, Katsunori Inagaki² | ¹*Showa University Yokohama Northern Hospital, Yokohama, Japan*; ²*Showa University, Tokyo, Japan*; ³*Showa University Koutou Toyosu Hospital, Tokyo, Japan*; ⁴*Showa University Fujigaoka Hospital, Yokohama, Japan*

- A-0578** TWO HEADLESS COMPRESSION SCREW OR ANGULAR STABLE PLATE FIXATION IN SCAPHOID NONUNIONS
Stefan Quadlbauer^{1,2,3}, Christoph Pezzeri¹, Thomas Beer¹, Rudolf Rosenauer^{1,2,3}, Josef Jurkowitsch¹, T. Hausner^{1,2,3}, M. Leixnering¹ | ¹AUVA Trauma Hospital Lorenz Böhler, Vienna, Austria; ²Ludwig Boltzmann Institute of Experimental and Clinical Traumatology, AUVA Research Center, Vienna, Austria; ³Austrian Cluster for Tissue Regeneration, Vienna, Austria
- A-0454** ARTHROSCOPIC GRAFTING OF SCAPHOID NONUNION – A RETROSPECTIVE STUDY OF 32 CASES.
Simon Rattier¹, MD, Emmanuel David¹, MD, Benjamin Haddad¹, MD, Axel Van Vliet¹, MD, Vittorio Ferrari^{1,2}, MD, Thierry Aihonnou², MD, Vladimir Rotari^{1,2}, MD | ¹Centre Hospitalo Universitaire Amiens Picardie, France; ²Clinique Victor Pauchet, Amiens, France
- A-0517** IS ADAPTIVE PROXIMAL SCAPHOID IMPLANT (APSI) A VALID OPTION FOR SNAC WRIST ALSO IN YOUNG PATIENTS? A CASE SERIES
Vincent Mazzone¹, Marco D’Orio², Arturo Militerno¹, Federico Terribile³, Rocco De Vitis¹ | ¹Fondazione Policlinico Universitario A. Gemelli IRCCS, Largo Agostino Gemelli 8, 00168, Roma, Italia; ²Università Cattolica del Sacro Cuore, Largo Francesco Vito 1, 00168 Roma, Italia; ³Dipartimento di Ortopedia e Traumatologia, ASST - Ospedale Maggiore, Largo Dossena 2, 26013 Crema, Italia
- A-0881** SCAPHOID SESSION COMMENTARY
Shai Luria

CHANNEL 2

11:30-12:30 S31 EDUCATION / SKILL / BIOMECHANICS / TENDON REPAIR

Chair: Simon Farnebo

- A-0504** MENTORSHIP IN HAND SURGERY: CROSS-SECTIONAL SURVEYS OF MENTORS AND MENTEES
Dominique Hughes¹, Helen Wohlgemut¹, Andrew Hart¹, Jeffrey Janis² | ¹Canniesburn, Plastic Surgery Unit, Glasgow Royal Infirmary; ²Ohio State University
- A-0119** PRACTICE MAKES PERFECT: A REVIEW OF PUBLISHED TENDON TRAINER REPAIR MODELS.
Zak Vinnicombe¹, Christian M. Asher², Jonathan Super³, Nicola Bystrzonowski⁴, Eyfrossini Katsarma² | ¹St. George’s Hospital, London, UK; ²Chelsea and Westminster Hospital, London, UK; ³Maidstone and Tunbridge Wells NHS Trust, Kent, UK; ⁴The Royal London Hospital, London, UK.
- A-0670** WHAT BENEFITS CAN BE EXPECTED FROM THE IMPROVEMENT OF SURGEON-PATIENT RELATIONSHIPS? A LITERATURE REVIEW.
C Girault¹, C Chaves², T Dubert² | ¹Réseau Prévention Main Ile de France, Paris, France; ²Hôpital privé Pauld’Egine, Champigny sur marne, France
- A-0171** THE UPPER LIMB FALLING REFLEX; THE DYNAMICS OF HOW WE FALL
Grey Giddins, Hugo Giddins | Royal United Hospitals, Bath, BA1 2BT
- A-0567** BIOMECHANICAL STUDY OF WRIST PAIN AND INSTABILITY IN EHLERS-DANLOS SYNDROME
Authors: Marta Jokiel^{1,2}, Piotr Czarnecki¹, Ewa Bręborowicz¹, Aleksandra Bartkowiak¹, Anna Wachowiak¹, Leszek Romanowski¹ | ¹Traumatology, Orthopedics and Hand Surgery Department Poznan, University of Medical Sciences; ²Physiotherapy Clinic, Poznan University of Medical Sciences; Traumatology, Orthopedics and Hand Surgery Department, Poznan University of Medical Sciences

A-0401 EVALUATION OF THE EFFECTS OF DONOR MUSCLE STRENGTH AND WRIST RANGE OF MOVEMENT IN RESTORING FINGER EXTENSION USING COMPUTER MODELLING
Joanne Laing J¹, Simon Pickard², Dimitra Blana¹, Ed Chadwick¹ | ¹*School of Engineering, University of Aberdeen;* ²*Robert Jones Agnes Hunt Orthopaedic Hospital, Oswestry, United Kingdom*

A-0658 USING ELASTIC VESSEL LOOPS TO DETERMINE THE PASSIVE TENSION AT WHICH TENDON TRANSFERS ARE SET FOR RADIAL NERVE PALSY
Nikita Blake¹, Craig Andrew Blake², Gideon Francois van Staden², Corne Pieter Gustav Nel¹ | ¹*Department of Plastic and Reconstructive Surgery, University of the Free State, Bloemfontein, South Africa;* ²*Department of Orthopaedic Surgery, University of the Free State, Bloemfontein, South Africa*

A-0872 EDUCATION / SKILL / BIOMECHANICS / TENDON REPAIR SESSION COMMENTARY
Simon Farnebo

CHANNEL 3

11:30-12:30 **S32 DUPUYTREN**

Chair: David Warwick

A-0105 DUPUYTREN'S DISEASE IN THE UK: PREVALENCE, INCIDENCE, AND LIFETIME RISK OF SURGICAL INTERVENTION - A POPULATION-BASED COHORT ANALYSIS
Dieuwke Broekstra^{1,2}, Rachel Kuo¹, Edward Burn¹, Daniel Prieto-Alhambra¹, Dominic Furniss¹ | ¹*University of Oxford, Nuffield Department of Orthopaedics, Rheumatology and Musculoskeletal Sciences, Oxford, United Kingdom;* ²*University of Groningen, University Medical Center Groningen, Department of Plastic Surgery, Groningen, the Netherlands*

A-0443 CHANGING PATTERNS OF TREATMENT FOR DUPUYTREN'S CONTRACTURE - A RETROSPECTIVE AND ECONOMIC STUDY OF THE INTRODUCTION OF NEEDLE FASCIOTOMY IN WESTERN SWEDEN 2010-2018.
Joakim Strömberg^{1,2}, Martin Byström,^{2,3} Johanna Nilsson¹, Anna Zachrisson⁴, Per Holmdahl⁵ | ¹*Department of Orthopedics and General Surgery, Alingsås lasarett, Sweden;* ²*Department of Orthopaedics, Sahlgrenska Academy, University of Gothenburg, Sweden;* ³*Department of Hand Surgery, Sahlgrenska University Hospital, Gothenburg, Sweden;* ⁴*Department of Orthopedics and General Surgery, Kungälv's sjukhus, Sweden;* ⁵*SportMed clinic, Carllanderska Hospital, Gothenburg, Sweden*

A-0058 GENETIC RISK PREDICTORS OF CLINICAL CHARACTERISTICS AND RECURRENCE OF DUPUYTREN DISEASE
Sophie Riesmeijer¹, Ilja Nolte¹, Paul Werker¹, Roel Ophoff² | ¹*University of Groningen, University Medical Center Groningen, Groningen, The Netherlands;* ²*University of California Los Angeles, Center for Neurobehavioral Genetics, California, United States of America*

A-0332 STUDY OF DUPUYTREN'S CONTRACTURE IN JAPAN
Masashi Matsuta, Kaoru Tada, Shinji Miwa, Mika Nakada, Atsuro Murai, Yuta Nakamura, Hiroyuki Tsuchiya | *Department of Orthopaedic Surgery, Graduate School of Medical Science Kanazawa University*

A-0345 LIMITED PROGRESSION OF SUBCLINICAL DUPUYTREN'S DISEASE: RESULTS FROM A PROSPECTIVE COHORT STUDY

Bente van den Berge, Paul Werker, Dieuwke Broekstra | *University Medical Center Groningen, Groningen, the Netherlands*

A-0513 PUSHING BOUNDARIES IN USING COLLAGENASE: TWO STEP TECHNIQUE FOR SEVERE DUPUYTREN DISEASE

M.Bertolini, F.Giacalone, E.Dutto, B.Battiston | *Hand Surgery Department, Città della salute e della Scienza di Torino, Turin, Italy*

A-0403 NO DIFFERENCE IN RECURRENCE RATE AND SUSTAINED STRAIGHTNESS BETWEEN COLLAGENASE TREATMENT AND NEEDLE FASCIOTOMY FOR DUPUYTREN'S CONTRACTURE - A FIVE-YEAR FOLLOW-UP OF A RANDOMIZED STUDY

Martin Byström^{1,3}, Allan Ibsen¹, Kristian Samuelsson^{2,3}, Jan Fridén^{2,4} Joakim Strömberg^{3,5} | *¹Department of Hand Surgery, Sahlgrenska University Hospital, Gothenburg, Sweden; ²Department of Orthopaedics, Sahlgrenska University Hospital, Göteborg, Sweden; ³Department of Orthopaedics, Sahlgrenska Academy, University of Gothenburg, Sweden; ⁴Swiss Paraplegic Centre, Nottwil, Switzerland; ⁵Department of Orthopedics and General Surgery, Alingsås lasarett, Sweden*

A-0470 A RANDOMISED, DOUBLE-BLIND, PLACEBO-CONTROLLED STUDY OF CELECOXIB AFTER COLLAGENASE INJECTION FOR PATIENTS WITH DUPUYTREN'S CONTRACTURE AT HIGH RISK OF RECURRENCE

MAARTEN VANNUFFEL, PIETER REYNIERS, JAAK WARLOP, ILSE DEGREEF | *UNIVERSITY HOSPITALS LEUVEN, LEUVEN, BELGIUM*

A-0871 DUPUYTREN SESSION COMMENTARY

David Warwick

CHANNEL 4

11:30-12:30 **S33 DRUJ**

Chair: Angel Ferreres

A-0067 LONG-TERM OUTCOME OF DISTAL OBLIQUE BUNDLE REINFORCEMENT FOR CHRONIC BIDIRECTIONAL DRUJ INSTABILITY AFTER TFCC INJURY.

Pascal Hannemann, Jan Ten Bosch | *Maastricht University Medical Center, Maastricht, Netherlands*

A-0570 BIOMECHANICAL COMPARISON OF MODIFIED ADAMS-BERGER AND DX TECHNIQUE IN DRUJ RECONSTRUCTION

Istvan Zoltan Rigo^{1,2}, Felix Riano³, Robert Kalapos³, Jan-Ragnar Haugstvedt^{1,2} | *¹Ostfold Hospital Trust, Moss, Norway; ²Oslo Hand Center, Norway; ³Arthrex Inc., Naples, FL, USA*

A-0292 THE EFFECT OF TFCC INJURY AND ULNAR STYLOID FRACTURE ON THE DRUJ STABILITY IN THE DISTAL RADIUS FRACTURES -THE EVALUATION USING DRUJ ARTHROSCOPY-

Yoshihiro Dohi | *Yao Tokushukai General Hospital, Yao, Japan*

A-0390 FACTORS ASSOCIATED WITH THE RETURN TO WORK AFTER ULNA SHORTENING OSTEOTOMY: A SAMPLE OF 104 CONSECUTIVE PATIENTS.
 JS Teunissen¹, R Feitz^{1,2}, S Al Shaer³, SER Hovius^{1,2}, RW Selles^{4,5}, EPA van der Heijden^{1,6} | ¹Department of Plastic surgery, Radboudumc, Nijmegen, The Netherlands; ²Hand and Wrist Center, Xpert Clinic, The Netherlands; ³Department of Plastic surgery, Ziekenhuisgroep Twente, Almelo, The Netherlands; ⁴Department of Plastic, Reconstructive and Hand Surgery, Erasmus MC, Rotterdam, The Netherlands; ⁵Department of Rehabilitation Medicine, Erasmus MC, Rotterdam, The Netherlands; ⁶Department of Plastic surgery, Jeroen Bosch Ziekenhuis, 's-Hertogenbosch, The Netherlands

A-0388 ILLNESS PERCEPTION IS ASSOCIATED WITH PAIN AND FUNCTION IN PATIENTS WITH ULNAR IMPACTION SYNDROME SCHEDULED FOR ULNA SHORTENING OSTEOTOMY: A CROSS-SECTIONAL STUDY
 JS Teunissen¹, MJW van der Oest^{2,3}, DE van Groeninghen¹, R Feitz^{1,3}, SER Hovius^{1,3}, EPA van der Heijden^{1,4} | ¹Radboud University Medical Centre, Radboud Institute for Health Sciences, Department of Plastic Surgery, Nijmegen, The Netherlands; ²Department of Plastic, Reconstructive and Hand Surgery, Erasmus MC, University Medical Centre Rotterdam, Rotterdam, The Netherlands; ³Hand and Wrist Centre, Xpert Clinic, The Netherlands; ⁴Department of Plastic Surgery, Jeroen Bosch Ziekenhuis, 's-Hertogenbosch, The Netherlands

A-0426 ARE THERE ADVANTAGES OF PARTIAL ULNAR HEAD PROSTHESES COMPARED TO TOTAL ULNAR HEAD PROSTHESES?
 Lea Estermann, Lisa Reissner, Ladislav Nagy | *Balgrist University Hospital, Zurich, Switzerland*

A-0870 DRUJ SESSION COMMENTARY
 Angel Ferreres

	CHANNEL 5
11:30-12:30	S34 ELBOW / HUMERUS

Chair: Jan Debeij

A-0378 CLINIMETRIC TESTING OF THE PERSIAN VERSION OF THE PATIENT-RATED TENNIS ELBOW EVALUATION (PRTEE) AND THE DISABILITIES OF THE ARM, SHOULDER, AND HAND (DASH) QUESTIONNAIRES IN PATIENTS WITH LATERAL ELBOW TENDINOPATHY
 Maryam Farzad^{1,3}, Joy C MacDermid^{1,2}, Erfan Shafiee¹ | ¹School of Physical Therapy, Department of Health and Rehabilitation Sciences, University of Western Ontario, Canada; ²Roth McFarlane Hand and Upper Limb Centre, St. Joseph's Hospital, London, Ontario, Canada; ³University of social welfare and rehabilitation sciences, Tehran, Iran

A-0654 ENDOSCOPIC TREATMENT OF LATERAL EPICONDYLITIS: A CADAVERIC STUDY
 Justin Mirza, Ather Mirza, Luke Zappia, Terence Thomas | *Mirza Orthopedics, Smithtown, NY, USA*

A-0085 COMPARING HETEROTOPIC OSSIFICATION PROPHYLAXIS OPTIONS FOR ELBOW TRAUMA: A META-ANALYSIS
 JEFFREY HESTENBURG, ASIF ILYAS | *The Rothman Institute at Thomas Jefferson University Philadelphia, PA, USA*

A-0140 SURGICAL MANAGEMENT OF PERSISTENT DISLOCATION OF ULNOHUMERAL JOINT AFTER FAILED SURGERY FOR FRACTURE-DISLOCATION OF THE ELBOW

Young Ho Lee¹, Goo Hyun Baek¹, Jihyeung Kim¹, Ji Sup Hwang¹, Jung Eun Lee² | ¹Seoul National University Hospital, Seoul, South Korea; ²Gachon Gill Hospital, Gyeonggi-do, South Korea

A-0259 TIME UNTIL UNION IN ABSOLUTE VS. RELATIVE STABILITY IN 12A1 AND 12A2 HUMERAL FRACTURES

Ignacio Rellán¹, Gerardo Luis Gallucci¹, Agustin Guillermo Donndorff¹, Pablo De Carli¹, Ezequiel Ernesto Zaidenberg¹, Marc Joseph Richard², Jorge Guillermo Boretto¹ | ¹Department of Orthopaedics, Hospital Italiano de Buenos Aires, Buenos Aires, Argentina; Instituto de Ortopedia y Traumatología "Carlos E. Ottolenghi," Potosí 4215 (C1199ACK), Buenos Aires, Argentina; ²Department of Orthopaedic Surgery, Division of Hand, Upper Extremity, and Microvascular Surgery, Duke University Medical Center, 4709 Creekstone Drive, Suite 200, Durham, NC 27703, USA.)

A-0873 ELBOW / HUMERUS SESSION COMMENTARY

Jan Debeij

	CHANNEL 1
12:30-12:50	INDUSTRY SPONSORED PROGRAM
	CHANNEL 2
13:00-13:50	INDUSTRY SPONSORED PROGRAM
	CHANNEL 3
13:00-13:30	INDUSTRY SPONSORED PROGRAM
	CHANNEL 1
13:30-13:50	INDUSTRY SPONSORED PROGRAM
	CHANNEL 1
14:00-15:00	S36 FRACTURES METACARPAL /PHALANGES

Chair: Pascal Hannemann

A-0563 ACUTE INJURIES TO THE ULNAR COLLATERAL LIGAMENT OF THE THUMB: A SYSTEMATIC LITERATURE REVIEW OF DIAGNOSTIC STUDIES

Nicholas G Rabey¹, Jordan Oldbury², Neal Thurley³, Nicholas Riley⁴, Jeremy Rodrigues^{5,6}, Benjamin JF Dean⁶ | ¹University Hospital Coventry, UK; ²Ninewells Hospital, Dundee, UK; ³Bodleian Library, University of Oxford, UK; ⁴Nuffield Orthopaedic Centre, Oxford, UK; ⁵Stoke Mandeville Hospital, Aylesbury, UK; ⁶NDORMS, Nuffield Orthopaedic Centre, Oxford, UK

A-0164 INTRAMEDULLARY SCREW FIXATION OF METACARPAL AND PHALANGEAL FRACTURES – A SYSTEMATIC REVIEW OF 682 PATIENTS

Rémy Liechti, Armin Pallaver, Fabrizio Fiumedinisi, Bryan Van de Wall, Frank Beeres, Thomas Giesen, Urs Hug | Cantonal Hospital of Lucerne, Switzerland

- A-0088** INTRAMEDULLARY SCREW FIXATION OF METACARPAL FRACTURES: AN ANATOMIC ANALYSIS FOR OPTIMAL SCREW CHOICE
MICHAEL OKOLI, ASIF ILYAS, CHRISTOPHER JONES | *The Rothman Institute at Thomas Jefferson University Philadelphia, PA, USA*
- A-0150** HIGH-ENERGY, FOCUSSED SHOCK WAVE THERAPY (ESWT) FOR DELAYED BONE HEALING OR NON-UNION OF FOREARM AND HAND
Marion Mühldorfer-Fodor, Eva Liedl, Jörg van Schoonhoven, Karl Josef Prommersberger | *Klinik für Handchirurgie des Rhön-Klinikum Campus Bad Neustadt, Germany*
- A-0383** INDICATION EXTENT FOR POSTTRAUMATIC MUTILATED HAND RECONSTRUCTION BY MICROSURGICAL TOE TRANSFER
Stamate T.¹, Mazilu G.¹, Atănăsoae I.¹, Stamate Mariana², Hrișcă T.¹, Topa I.¹ | *¹University of Medicine and Pharmacy "Gr.T.Popa", Iasi, Romania; ²Laboratory of Neurophysiology, Neurosurgery Hospital, Iasi, Romania*
- A-0503** PEDICLED PARTIAL FDS MUSCLE FLAP FOR COVERAGE OF MEDIAN NERVE IN THE DISTAL FOREARM
Kebrole Radek^{1,2}, Martin Czinner^{1,2,3}, Tomas Hellmuth² | *¹Klinika Dr. Pírka Mlada Boleslav; ²UPCHR Vysoke nad Jizerou; ³Nemocnice Liberec*
- A-0428** USE OF THE KEYSTONE DESIGN PERFORATOR ISLAND FLAP FOR RECONSTRUCTION OF UPPER LIMB DEFECTS
Nikolovska Bisera, Georgieva Gordana, Srbov Blagoja, Jovanovska Katerina, Pejкова Sofija | *University Clinic for Plastic and Reconstructive Surgery, Skopje, North Macedonia*
- A-0874** FRACTURES METACARPAL /PHALANGES SESSION COMMENTARY
Pascal Hannemann

CHANNEL 2

14:00-15:00 **S37 TENDON / PULLEY**

Chair: Hebe Désirée Kvermmo

- A-0245** BIOMECHANICAL EVALUATION COMPARING PULVERTAFT WEAVE AND SIDE-TO-SIDE TENORRHAPHY USING PORCINE TENDONS
Soha Sajid, Emily Day, Jan Herman Kuiper, Rohit Singh, Simon Pickard | *Robert Jones and Agnes Hunt Orthopaedic Hospital, Oswestry, SY10 7AG*
- A-0128** BIOMECHANICAL ANALYSIS OF A SINGLE-SIDED LOCKING SIDE-TO-SIDE SUTURE TECHNIQUE FOR TENDON TRANSFERS
Jaimy Koopman¹, Caroline Hundepool¹, Liron Duraku¹, Mick Kreulen², Michiel Zuidam¹ | *¹Department of Plastic, Reconstructive Surgery and Hand Surgery, Erasmus Medical Centre, Rotterdam, The Netherlands; ²Department of Hand Surgery, Rode Kruis Ziekenhuis, Beverwijk, The Netherlands*

- A-0238** A SYSTEMATIC REVIEW OF OUTCOME MEASUREMENT IN STUDIES OF ADULT HAND FLEXOR TENDON INJURY
 Abigail V Shaw¹, David GW Holmes², Matthew D Gardiner^{3,4}, Jeremy N Rodrigues^{1,4}, Jennifer CE Lane⁴, Justin CR Wormald⁴ | ¹Department of Plastic & Reconstructive Surgery, Stoke Mandeville Hospital, Aylesbury, UK; ²Department of Trauma & Orthopaedic Surgery, Leighton Hospital, Crewe, UK; ³Department of Plastic & Reconstructive Surgery, Wexham Park Hospital, Slough, UK; ⁴Nuffield Department of Orthopaedics, Rheumatology and Musculoskeletal Science (NDORMS), University of Oxford, Oxford, UK
- A-0070** ALTERNATIVE FOR TWO-STAGE TENOPLASTY IN TREATMENT OF CHRONIC TENDON FLEXOR DIGITORUM PROFUNDUS INJURY IN NO-MAN'S LAND
 Aleksandr Zenchenko | *Gomel Regional Clinical Hospital (Gomel, Belarus)*
- A-0236** SORL-REVERSE PROCEDURE: A DYNAMIC TENODESIS TO RESTORE DISTAL INTERPHALANGEAL JOINT FLEXION IN CHRONIC FLEXOR DIGITORUM PROFUNDUS LESIONS. A CADAVERIC STUDY
 Andrea Poggetti, Nucci Anna Maria, Biondi Marco, Pfanner Sandra | *Hand and Reconstructive Microsurgery Unit, AOU Careggi-CTO, Florence, Italy*
- A-0107** FLEXOR PULLEY RECONSTRUCTION – CLINICAL RESULTS FOR CHRONIC CASES: 5-YEARS FOLLOW-UP
 Simon Oeckenpöhler, Valerie Nottberg, Johanna Ueberberg, Britta Wieskötter, Martin Langer | *University Hospital Münster - Department for Trauma-, Hand- and Reconstructive Surgery, Münster, Germany*
- A-0020** REPAIR OF RUPTURED EXTENSOR POLLICIS LONGUS WITH RUNNING INTERLOCKING HORIZONTAL MATTRESS SUTURE TECHNIQUE
 Satoshi Usami, Sanshiro Kawahara, Masashi Takemitsu, Kohei Inami. | *Tokyo Hand Surgery ampersand Sports Medicine Institute, Takatsuki Orthopaedic Hospital, Tokyo, Japan.*
- A-0883** TENDON / PULLEY SESSION COMMENTARY
 Hebe Désirée Kvernmo

CHANNEL 3

14:00-15:00 S38 NERVE EXPERIMENTAL / ALLOGRAFT

Chair: Esther Vögelin

- A-0173** ALTERATIONS IN MYELINISATION OF THE PAINFUL NERVES, PROXIMAL TO THE SITE OF INJURY
 Elisabeth Maria Brakkee¹, Wim Van Hecke¹, Erick DeVinney², Henk Coert¹ | ¹University Medical Center Utrecht, the Netherlands; ²AxoGen, Alachua, Florida, United States
- A-0247** ENHANCING ACELLULAR NERVE ALLOGRAFTS WITH MESENCHYMAL STEM CELLS AND SURGICAL ANGIOGENESIS IMPROVES IMMUNE RESPONSE AND REVASCULARIZATION
 Meiwand Bedar, Tiam M. Saffari, Allen T. Bishop, Alexander Y. Shin | *Department of Orthopedic Surgery, Division of Microvascular and Hand Surgery, Mayo Clinic, Rochester, MN, USA*

- A-0463** THE EFFECT OF STEM CELLS AND LOCAL TACROLIMUS ON NEURITE EXTENSION
Sara Saffari^{1,2}, Tiam M. Saffari^{1,2}, Katelyn Chan^{3,4}, Gregory H. Borschel³, Alexander Y. Shin¹ | ¹*Division of Hand and Microvascular Surgery, Department of Orthopedic Surgery, Mayo Clinic, Rochester, MN, USA;* ²*Department of Plastic-, Reconstructive- and Hand Surgery, Radboud University, Nijmegen, the Netherlands;* ³*Division of Plastic and Reconstructive Surgery, The Hospital for Sick Children, Toronto, Ontario, Canada;* ⁴*Institute of Biomaterials and Biomedical Engineering, University of Toronto, Toronto, Ontario, Canada*
- A-0404** SURGICAL ANGIOGENESIS MODIFIES THE CELLULAR ENVIRONMENT OF DECELLULARIZED NERVE ALLOGRAFTS IN A RAT SCIATIC NERVE DEFECT MODEL
Tiam Mana Saffari^{1,2}, Femke Mathot^{1,2}, Allen T. Bishop¹, Andre J. van Wijnen^{1,3}, Alexander Y. Shin¹ | ¹*Mayo Clinic, Department of Orthopedic Surgery, Minnesota, USA;* ²*Radboud University, Nijmegen, the Netherlands;* ³*Mayo Clinic, Department of Biochemistry and Molecular Biology, Minnesota, USA*
- A-0400** MICROCOMPUTED ANALYSIS OF NERVE ANGIOARCHITECTURE AFTER COMBINED STEM CELL DELIVERY AND SURGICAL ANGIOGENESIS TO NERVE ALLOGRAFT
Tiam Mana Saffari^{1,2}, Femke Mathot^{1,2}, Allen T. Bishop¹, Alexander Y. Shin¹ | ¹*Mayo Clinic, Minnesota, USA;* ²*Radboud University, Nijmegen, The Netherlands*
- A-0069** PERIPHERAL NERVE REGENERATION WITH ENHANCED NERVE AUTOGRAFT USING ADIPOSE-DERIVED STEM CELL SHEETS
Atsuro Murai, Kaoru Tada, Mika Nakada, Masashi Matsuta, Yuta Nakamura, Hiroyuki Tsuchiya | *Department of Orthopaedic Surgery, Graduate School of Medical Science Kanazawa University, Kanazawa, Ishikawa, Japan.*
- A-0045** PERIPHERAL NERVE REGENERATION USING AN ADIPOSE-DERIVED STEM CELL SHEET
Kaoru Tada¹, Atsuro Murai¹, Mika Nakada¹, Masashi Matsuta¹, Yuta Nakamura¹, Katsuhiko Hayashi¹, Hiroyuki Tsuchiya¹ | ¹*Department of Orthopaedic Surgery, Graduate School of Medical Science, Kanazawa University*
- A-0543** MEDIAN NERVE INJURY IN WISTAR RATS TREATED WITH GM1: FUNCTIONAL EVALUATION
Osvaldo Mendes de Oliveira Filho (Oliveira Filho, OM)¹, Márcia dos Santos Rizzo (Rizzo, MS)¹, Antônio César Almeida de Oliveira (de Oliveira, ACA)¹, Gustavo Bispo dos Santos (dos Santos, GB)², William Dias Belangero (Belangero, WD)³ | ¹*Universidade Federal do Piauí (UFPI), Teresina, Brazil;* ²*Universidade de São Paulo (USP), São Paulo, Brazil;* ³*Universidade Estadual de Campinas (UNICAMP), Campinas, Brazil*
- A-0380** AVOIDING NERVE SUTURE LINE TENSION USING JABALEY EPINEURIAL SPLINT TECHNIQUE
Teodor Stamate¹, Mariana Stamate², Ionuț Atănăsoae¹, Ionuț Topa¹ | ¹*University of Medicine and Pharmacy “Grigore T.Popa” IASI, Romania;* ²*Laboratory of Neurophysiology – Neurosurgery Hospital, IASI, Romania*
- A-0878** NERVE EXPERIMENTAL / ALLOGRAFT SESSION COMMENTARY
Esther Vögelin

Chair: Fernando Corella

- A-0665** DIAGNOSTIC ACCURACY OF MRI AND MR ARTHROGRAPHY IN SCAPHOLUNATE INTEROSSEOUS LIGAMENT INJURY: A SYSTEMATIC REVIEW AND META-ANALYSIS
Philippe Sprangers, Stan Buckens, Stefan Hummelink, Brigitte van der Heijden | *Radboudumc, Nijmegen, The Netherlands*
- A-0667** ARTHROSCOPY CAPSULOPLASTY AND TEMPORARY SCREW AUGMENTATION IN S-L TEARS GRADE IIIC & IV OF THE EWAS CLASSIFICATION. MEDIUM TERM FOLLOW UP
Martín Caloia, Sergio Ronconi, Hugo Caloia, Diego González Scotti, Germán Barrozo, Emilia María Serur, Stevent García Puerta, Gerónimo Chamorro, Alejandro Meritano, Gonzalo Guevara | *Orthopaedic Department, Upper Extremity & Hand Surgery section. Austral University Hospital, Pilar, Buenos Aires, Argentina*
- A-0568** RADIOLOGICAL AND FUNCTIONAL CORRELATION FOLLOWING SCAPHOLUNATE AND INTERCARPAL LIGAMENOTPLASTY "SLIC PROCEDURE" AT MINIMUM FOLLOW-UP OF 12 MONTHS
Florent METAIRIE¹, Ludovic ARDOUIN², Philippe BELLEMERE³, Yves BOUJU⁴, Etienne GAISNE⁵, Marc LEROY⁶ | *Institut de la main Nantes Atlantique, ST HERBLAIN, France*
- A-0355** LONG-TERM FOLLOW-UP OF SCAPHO-LUNATE RECONSTRUCTION WITH THE DRAW TECHNIQUE
N Della Rosa, N Bertozzi, G Colzani, R Adani | *Operative Unit of Hand Surgery and Microsurgery Azienda Ospedaliera Policlinico Modena, Italy*
- A-0361** COMPARISON BETWEEN DORSAL CAPSULOPLASTY TECHNIQUES FOR CHRONIC INJURIES OF THE SCAPHO-LUNATE LIGAMENT: VIEGAS VS BERGER.
Norman Della Rosa, Enrico Lancellotti, Daniele Tosi, Roberto Adani | *Operative Unit of Hand surgery and Microsurgery Azienda Ospedaliera Policlinico Modena, Italy; Department of Orthopaedic Ospedale Santa Maria Nuova Reggio Emilia, Italy*
- A-0291** HISTOLOGICAL ANALYSIS OF THE TFCC: AN EXAMINATION ON THE MENISCUS HOMOLOGUE, ULNAR COLLATERAL LIGAMENT AND LIGAMENT SUBCRUENTUM
Toshiyasu Nakamura¹, David L. Nelson | *¹Department of Orthopaedic Surgery, International University of Health and Welfare, Tokyo, Japan; ²Private Practice, San Francisco, USA*
- A-0526** MANAGEMENT OF PALMER TYPE 1B TFCC TEARS: A SYSTEMATIC REVIEW OF CADAVER STUDIES
Claire Elisabeth Arnolda Koeyvoets¹, Joris Sebastiaan Teunissen¹, Reinier Feitz^{1,2,3}, Steven Hovius^{1,4}, Elisabeth Hagert^{6,7,8}, Egberta Petronella Adriana van der Heijden^{1,5} | *¹Radboud university medical center, Department of Plastic and Reconstructive and Hand Surgery, Nijmegen, The Netherlands; ²Radboud university medical center, Radboud Institute for Health Sciences, Department of Plastic, Reconstructive and Hand Surgery, Nijmegen, The Netherlands; ³Hand and Wrist Center, Xpert Clinics, Amsterdam, The Netherlands; ⁴Hand and Wrist Center, Xpert Clinics, Rotterdam, The Netherlands; ⁵Jeroen Bosch Hospital, Department of Plastic and Hand Surgery, 's Hertogenbosch, The Netherlands; ⁶Karolinska Institutet, Dept of Clinical Science and Education, Sodersjukhuset, Stockholm, Sweden; ⁷Arcademy, HM Queen Sophia Hospital, Stockholm, Sweden; ⁸Musculoskeletal & Sports Injury Epidemiology Center Department of Health promotion science Sophiahemmet University, Stockholm, Sweden*

- A-0373** ALL ARTHROSCOPIC TFCC FOVEA REPAIR WITH SUTURE ANCHOR IN ATHLETES
Juitien Shih | *Armed Forces Taoyuan General Hospital, Taoyuan, Taiwan*
- A-0321** ARTHROSCOPIC ISOMETRIC INSIDE-OUT SUTURE TECHNIQUE FOR TFCC FOVEAL REPAIR
Keiji Fujio, Saori Yamaguchi, Kentaro Seki, Kazuaki Tsuyuguchi, Yasuhiko Maki | *Orthopaedic department of Osaka Maki Orthopaedic Hospital Osaka, Japan*
- A-0112** PREOPERATIVE PATIENT REPORTED WRIST EVALUATION (PRWE) SHOULD GUIDE THE INDICATION FOR OPEN REINSERTION OF THE TRIANGULAR FIBROCARILAGE COMPLEX (TFCC) REINSERTION
R Feitz^{1,2,3}, YE van Kooij¹, MJW van der Oest^{1,3,4}, JS Souer¹, SER Hovius^{1,2}, RW Selles^{3,4}, and the Hand-Wrist Study Group | ¹*Xpert Clinics, Hand and Wrist center, Laarderhoogtweg 12, 1101 EA, Amsterdam, The Netherlands;* ²*Department of Plastic-, Reconstructive-, and Hand Surgery, Radboud University Medical Center, PO Box 9101, 6500 HB Nijmegen, the Netherlands;* ³*Department of Plastic-, Reconstructive-, and Hand Surgery, Erasmus MC, PO Box 2040, 3000 CA Rotterdam, The Netherlands;* ⁴*Department of Rehabilitation Medicine, Erasmus MC, PO Box 2040, 3000 CA, Rotterdam, The Netherlands;* Hand-Wrist Study Group collaborators: RAM Blomme, BJR Sluijter, DJJC van der Avoort, A Kroeze, J Smit, J Debeij, ET Walbeehm, GM van Couwelaar, Guus M Vermeulen, JP de Schipper, JFM Temming, JH van Uchelen, HL de Boer, KP de Haas, K Harmsen, OT Zöphel, JS Souer, R Koch, TM Moojen, X Smit, R van Huis, PY Pennehouat, K Schoneveld, YE van Kooij, RM Wouters, P Zagt, FJ van Ewijk, JJ Veltkamp, A Fink, WA de Ridder, JT Porsius, J Tsehaie, R Poelstra, MC Janssen, PO Sun, VJMM Schrier, L Hoogendam, JS Teunissen, Jak Dekker, M Jansen-Landheer, M ter Stege.
- A-0882** SL LIGAMENT TFCC SESSION COMMENTARY
Fernando Corella

CHANNEL 5

14:00-15:00 **S40 NERVE / PAIN /BASIC**

Chair: Lars Dahlin

- A-0270** MICROCIRCULATION OF MEDIAN NERVE IN CARPAL TUNNEL SYNDROME
Gokce Yildiran¹, Nusret Seher², Mustafa Sutcu³, Osman Akgad³, Alaaddin Nayman², Zekeriya Tosun³ | ¹*Konya City Hospital, Hand Surgery Clinic, Konya, Turkey;* ²*Selcuk University Medical Faculty, Radiology Dep, Konya Turkey;* ³*Selcuk University Medical Faculty, Plastic, Reconstructive and Aesthetic Surgery Dep, Konya, Turkey*
- A-0159** MR IMAGING OF PERIPHERAL NERVES USING TARGETED APPLICATION OF CONTRAST AGENTS: AN EXPERIMENTAL PROOF-OF-CONCEPT STUDY
Vlad Tereshenko^{1,2}, Irena Pashkunova-Martic^{3,4}, Krisztina Manzano-Szalai^{1,5}, Joachim Friske³, Konstantin D. Bergmeister^{1,2,6}, Christopher Festin^{1,2}, Martin Aman^{1,2,7}, Laura A. Hruby^{1,8}, Johanna Klepetko¹, Sarah Theiner⁴, Matthias H. M. Klose⁴, Bernhard Keppler⁴, Thomas Helbich³, Oskar C. Aszmann^{1,9*} | ¹*Clinical Laboratory for Bionic Extremity Reconstruction, Division of Plastic & Reconstructive Surgery, Department of Surgery, Medical University of Vienna, Austria;* ²*Center for Biomedical Research, Medical University of Vienna, Austria;* ³*Department of Biomedical Imaging and Image-guided Therapy, Division of Molecular and Structural Preclinical Imaging, Medical University of Vienna, Austria;* ⁴*Institute of Inorganic Chemistry, University of Vienna, Austria;* ⁵*Centre for Microbiology and Environmental Systems Science, University of Vienna, Austria;* ⁶*Karl Landsteiner University of Health Sciences, Department of Plastic, Aesthetic and Reconstructive Surgery, University Hospital St. Poelten, Krems, Austria;* ⁷*Department of Hand, Plastic and Reconstructive Surgery, Burn Center, University of Heidelberg, BG Trauma Hospital Ludwigshafen, Ludwigshafen, Germany;* ⁸*Department of Orthopedics and Trauma Surgery, Medical University of Vienna, Austria;* ⁹*Division of Plastic and Reconstructive Surgery, Medical University of Vienna, Austria*

- A-0613** SPONTANEOUS AUTONOMIC REINNERVATION OF NEUROMUSCULAR JUNCTIONS AFTER SURGICAL DEEFFERENTATION: EXPERIMENTAL ANIMAL MODEL
 Vlad Tereshenko¹, Joachim Ortmayr¹, Dominik Dotzauer¹, Udo Maierhofer¹, Konstantin D. Bergmeister^{1,2} Christopher Festin¹, Matthias Luft¹, Gregor Längle¹, Roland Blumer³, Oskar C. Aszmann^{1,4} | ¹Clinical Laboratory for Bionic Extremity Reconstruction, Division of Plastic & Reconstructive Surgery, Department of Surgery, Medical University of Vienna, Austria; ²Karl Landsteiner University of Health Sciences, Department of Plastic, Aesthetic and Reconstructive Surgery, University Hospital St. Poelten, Krems, Austria; ³Center for Anatomy and Cell Biology, Medical University of Vienna, Austria; ⁴Division of Plastic and Reconstructive Surgery, Department of Surgery, Medical University of Vienna, Vienna, Austria
- A-0172** TREATMENT STRATEGIES FOR INJURIES OF THE “UNFORGIVING” RADIAL SENSORY NERVE
 Elisabeth Maria Brakkee¹, Annemieke Stokvis², Erick DeVinney³, Ivica Ducic⁴, Henk Coert^{1,2} | ¹University Medical Center Utrecht, The Netherlands; ²Erasmus MC, University Medical Center, Rotterdam, The Netherlands; ³AxoGen, Alachua, Florida, United States; ⁴Washington Nerve Institute, McLean, VA, United States
- A-0469** INCIDENCE OF NEUROMA AT A TERTIARY HAND CENTRE: A REVIEW OF 418 AMPUTATIONS
 Sunil Parthiban, James Halle-Smith, Ali Majeed Jawad, Mark Foster, Dominic Power | Department of Hands and Peripheral Nerve Surgery, Queen Elizabeth Hospital Birmingham, Birmingham, UK
- A-0495** MORBIDITY AND FUNCTION LOSS AFTER RESECTION OF MALIGNANT PERIPHERAL NERVE SHEATH TUMORS
 Enrico Martin^{1,2}, Courtney Pendleton³, Cornelis Verhoef², Robert J. Spinner³, J. Henk Coert¹, MO-NACO collaborators | ¹University Medical Center Utrecht, The Netherlands; ²Erasmus Medical Center Rotterdam, The Netherlands; ³Mayo Clinic Rochester, MI, United States of America
- A-0656** MODERN: A PROSPECTIVE MULTICENTER STUDY ON OUTCOME-MONITORING OF TRUNK NERVE LESIONS OF THE UPPER EXTREMITY
 Leila Harhaus¹, Martin Aman¹, Daniel Schwarz², Annette Stolle¹, Arne Böcker¹, Lukas Pindur³ Martin Bendszus², Ulrich Kneser¹ | ¹Department of Hand-, Plastic and Reconstructive Surgery, Burn Center, Department of Hand- and Plastic Surgery of Heidelberg University, BG Trauma Center Ludwigshafen; ²Department of Neuroradiology, University Hospital Heidelberg; ³Department of Plastic and Reconstructive Surgery, BG Trauma Center Frankfurt
- A-0152** ACUTE AND LONG-TERM COSTS OF 268 PERIPHERAL NERVE INJURIES IN THE UPPER EXTREMITY
 Konstantin D. Bergmeister,^{1,2,3} Luisa Große-Hartlage¹, Simeon C. Daeschler¹, Patrick Rhodius¹, Arne Böcker¹ Marius Beyersdorff², Axel Olaf Kern⁴ Ulrich Kneser¹ Leila Harhaus¹ | ¹ Department of Hand, Plastic and Reconstructive Surgery, Burn Center, BG Trauma Center Ludwigshafen, Plastic and Hand Surgery, University of Heidelberg; ² Clinical Laboratory for the Restoration of Extremity Function, Department of Surgery, Medical University of Vienna, Austria; ³ Department of Plastic, Aesthetic and Reconstructive Surgery, University Hospital St. Poelten, Austria; ⁴ Faculty of Social Work, Health, and Nursing, Hochschule Ravensburg-Weingarten, Weingarten, Germany

A-0272 EFFECT OF TOURNIQUET IN ATRAUMATIC COMMON HAND SURGERY ON PERIOPERATIVE PAIN AND SHORT-TERM PATIENT REPORTED OUTCOMES: A RANDOMIZED CONTROLLED TRIAL
 Saskia de Roo¹, Wouter van Leeuwen¹, Brigitte van der Heijden^{1,2} | ¹*Jeroen Bosch Hospital, 's-Hertogenbosch, The Netherlands;* ²*Radboud University Medical Center, Nijmegen, The Netherlands*

A-0877 NERVE / PAIN /BASIC SESSION COMMENTARY
 Lars Dahlin

CHANNEL 1

15:00-17:30 S41 LIVE SURGERY 4

15:00-16:00 Moderators onsite: Tjeerd de Jong - Alex Lluch
 Experts online: Elisabet Hagert - Zaf Naqui

TABLE I: ULNA PLUS PATHOLOGY

Ulna shortening plating
 Surgeons: Assa Braakenburg - Mireia Esplugas

TABLE II: (PARTIAL) WRIST HAND FUSION (RADIOCARPAL)

DIP/IP intramedullary implant
 Plating (total fusion)
 Surgeons: Anne Vochteloo - Jan Debeij

16:30-17:30 Moderators onsite: Mireia Esplugas - Joost Colaris
 Expert online: Jan Debeij

TABLE I: SLAC/SNAC PATHOLOGY: RADIOSCAPHOID LUNATE FUSION

RSL fusion plate
 RSL screw fixation
 Surgeons: Mick Kreulen - Xander Smit

TABLE II: (PARTIAL) WRIST FUSION (CARPAL)

Screw (four corner)
 Circular plating (partial) (four corner)
 Surgeons: Niels Schep - Erik Walbeehm

17:30-18:30 S42 COMPLEX TRAUMA

Chair: Pierluigi Tos

A-0606 VEIN CONDUITS USED TO IMPROVE THE RELIABILITY OF ARTERIAL SUTURE REPAIR BY MICROSURGERY. RANDOMISED COMPARATIVE STUDY ON RATS.
 Nicolas Bigorre¹, Alexandre Petit¹, Jérôme Jeudy¹, Yann Saint Cast¹, Jérôme Brunet¹, Henri Dominique Fournier² | ¹*Centre de la Main, Angers, France;* ²*Laboratoire d'Anatomie - Faculté de Médecine, Angers, France*

A-0138 VENOUS CONGESTION COMPLICATIONS AFTER DIGITAL REPLANTATION TREATED WITH MEDICINAL LEECHES
 Mihaela Pertea^{1,2}, Alina Mihaela Stan², Dmitrii Leontii², Diana Al Khazaleh², Petru Ciobanu^{1,2} |
¹"Grigore T. Popa" University of Medicine and Pharmacy Iasi, Romania; ²Clinic of Plastic Surgery and
 Reconstructive Microsurgery, 'Sf. Spiridon' Emergency Hospital, Iasi, Romania

A-0268 INCREASE OF FAT GRAFT SURVIVAL BY MESENCHYMAL STEM CELL RECRUITING EFFECT OF PLATELET RICH PLASMA (PRP): IN VIVO AND IN VITRO STUDY
 Gokce Yildiran¹, Gulsemin Cicek², Z. Esin Celik³, Hulya Ozdemir⁴, Hasibe Artac⁴, Osman Akdag⁵,
 Selcuk Duman⁶, Mustafa Sutcu⁵, T. Murad Aktan⁶, Zekeriya Tosun⁵ | ¹Konya City Hospital, Hand
 Surgery Clinic, Konya, Turkey; ²Kanuni Sultan Süleyman Training and Research Hospital, Histology
 and Embriology, Istanbul, Turkey; ³Selcuk University Medical Faculty, Pathology Dep, Konya, Turkey;
⁴Selcuk University Medical Faculty, Pediatric Immunology and Allergy Dep, Konya, Turkey; ⁵Selcuk
 University Medical Faculty, Plastic, Reconstructive and Aesthetic Surgery, Konya, Turkey; ⁶Necmettin
 Erbakan University Medical Faculty, Histology and Embriology Dep, Konya, Turkey

A-0657 PAEDIATRIC COMPOSITE FINGERTIP GRAFTS: 7-YEAR EXPERIENCE FROM A TERTIARY PLASTIC SURGERY UNIT AND A PROPOSED MANAGEMENT ALGORITHM
 James Carter, Nick Arkoulis | *Royal Hospital for Children, Glasgow, UK.*

A-0863 COMPLEX TRAUMA SESSION COMMENTARY
 Pierluigi Tos

	CHANNEL 2
17:30-18:30	S43 WALANT / TRIGGER FINGER

Chair: Mireia Esplugas

A-0064 WALANT AS A SAFE, RELIABLE AND BENEFICIAL MODALITY FOR THE TRAINEE HAND SURGEON - ANALYSIS OF A CONSECUTIVE PERSONAL PATIENT SERIES
 Sebastian Hediger^{1,2}, Dirk J. Schaefer¹, Andreas Gohritz¹ | ¹Department of Plastic, Reconstructive,
 Aesthetic and Hand Surgery, University Hospital Basel, Basel, Switzerland; ²Department of Hand-
 and Plastic Surgery, Spital Thurgau AG, Frauenfeld and Münsterlingen, Switzerland

A-0336 TRAPEZO-METACARPAL ARTHROPLASTY (TMC) UNDER WIDE AWAKE LOCAL ANESTHESIA WITH NO TOURNIQUET (WALANT) VERSUS LOCOREGIONAL ANESTHESIA WITH PERIPHERAL NERVE BLOCKS (LAPNV): RESULT ON PERI AND POST-OPERATIVE PAIN AND EARLY FUNCTIONAL RESULT, ABOUT 30 CASES.
 Lara Moscato¹, A. Laborde¹, P. Kouyoumdjian¹, R Coulomb¹, O. Mares¹ | ¹CHU de Nîmes, service de
 chirurgie orthopédique Pr Kouyoumdjian. Avenue du Pr Debré, 30000 Nîmes. France

A-0089 WIDE AWAKE LOCAL ANESTHESIA SURGERY WITH EPINEPHERINE IS SAFE: A SERIES OF 4,287 CONSECUTIVE HAND & UPPER EXTREMITY PROCEDURES
 ASIF ILYAS, JOHN JENNINGS, LAUREN BANNER, JONAS MATZON | *The Rothman Institute at Thomas
 Jefferson University Philadelphia, PA, USA*

A-0262 WHAT IS THE INFECTION RATE IN CARPAL TUNNEL SYNDROME AND TRIGGER FINGER RELEASE PERFORMED UNDER WIDE AWAKE ANESTHESIA?

Ignacio Rellán¹, Pedro Bronenberg Victorica¹, Surya Kohan Fortuna Figueira¹, Gerardo Luis Gallucci¹, Agustin Guillermo Donndorff¹, Pablo De Carli¹, Ezequiel Ernesto Zaidenberg¹, Jorge Guillermo Boretto¹ | ¹*Department of Orthopaedics, Hospital Italiano de Buenos Aires, Buenos Aires, Argentina; Instituto de Ortopedia y Traumatología "Carlos E. Ottolenghi," Potosí 4215 (C1199ACK), Buenos Aires, Argentina*

A-0123 WIDE-AWAKE HAND SURGERY EXPERIENCE IN 10 TO 18 YEARS OF AGE

Zeynep Tuna¹, Egemen Ayhan² | ¹*Department of Physiotherapy and Rehabilitation, Faculty of Health Sciences, Gazi University, Ankara, Turkey;* ²*Department of Orthopaedics and Traumatology, Diskapi YB Training and Research Hospital, University of Health Sciences, Ankara, Turkey*

A-0082 OUT-OF-SHEATH CORTICOSTEROID INJECTIONS THROUGH THE DORSAL WEBSpace FOR TRIGGER FINGER AND TRIGGER THUMB. A PROSPECTIVE CASE SERIES.

Isidro Jiménez^{1,2}, José Medina^{1,2}, Alberto Marcos-García^{1,2}, Beatriz Romero¹, Gerardo L Garcés^{2,3} | ¹*Hospital Universitario Insular de Gran Canaria, Las Palmas de Gran Canaria, Spain;* ²*Universidad de Las Palmas de Gran Canaria. Las Palmas de Gran Canaria, Spain;* ³*Hospital Perpetuo Socorro. Las Palmas de Gran Canaria, Spain*

A-0436 PREDICTING PREOPERATIVE PAIN LEVELS OF TRIGGER FINGER PATIENTS SCHEDULED FOR SURGICAL RELEASE: A LARGE CROSS-SECTIONAL STUDY FROM THE HAND AND WRIST COHORT

Daniek J. Bogerd^{1,2}, Christianne A. van Nieuwenhoven¹, Mark J. W. van der Oest^{1,2,3}, Ruud W. Selles^{1,2}, Harm P. Slijper^{1,2,3}, Jeroen M. Smit³, Robbert M. Wouters^{1,2,4}, The Hand-Wrist Study Group | ¹*Department of Plastic, Reconstructive and Hand Surgery, Erasmus MC, Rotterdam, The Netherlands;* ²*Department of Rehabilitation Medicine, Erasmus MC, Rotterdam, The Netherlands;* ³*Hand and Wrist Center, Xpert Clinic, The Netherlands;* ⁴*Center for Hand Therapy, Handtherapie Nederland, Utrecht, The Netherlands*

A-0651 ENDOSCOPIC TRIGGER FINGER RELEASE: OUTCOMES OF A NOVEL MINIMALLY INVASIVE TECHNIQUE FOR THE TREATMENT OF STENOSING TENOSYNOVITIS

Justin Mirza, Ather Mirza, Luke Zappia, Terence Thomas | *Mirza Orthopedics, Smithtown, NY, USA*

A-0884 WALANT / TRIGGER FINGER SESSION COMMENTARY

Mireia Eslugas

CHANNEL 3

17:30-18:30 **S44 NERVE TRANSFERS**

Chair: Gürsel Leblebicioğlu

A-0094 ANCONEUS NERV REVISED

Mauro Maniglio^{1,2,3}, Ezequiel Zaidenberg^{2,4}, Ezequiel Martinez⁴, Carlos Zaidenberg⁴ | ¹*CHUV University Hospital Lausanne, Switzerland;* ²*HFR, University Hospital Fribourg, Switzerland;* ³*Hospital Italiano de Buenos Aires, Argentina;* ⁴*Anatomy Department, School of Medicine, University of Buenos Aires*

- A-0497** NOVEL NERVE TRANSFER TO THE STERNO(CLEIDO)MASTOID MUSCLE: AN EXPERIMENTAL ANIMAL MODEL FOR PROPRIOCEPTIVE REINNERVATION
 Vlad Tereshenko¹, Dominik Dotzauer¹, Udo Maierhofer¹, Christopher Festin¹, Matthias Luft¹, Gregor Längle¹, Olga Politikou¹, Konstantin D. Bergmeister^{1,2}, Roland Blumer³, Oskar C. Aszmann^{1,4} | ¹*Clinical Laboratory for Bionic Extremity Reconstruction, Division of Plastic & Reconstructive Surgery, Department of Surgery, Medical University of Vienna, Austria;* ²*Karl Landsteiner University of Health Sciences, Department of Plastic, Aesthetic and Reconstructive Surgery, University Hospital St. Poelten, Krems, Austria;* ³*Center for Anatomy and Cell Biology, Medical University of Vienna, Austria;* ⁴*Division of Plastic and Reconstructive Surgery, Department of Surgery, Medical University of Vienna, Vienna, Austria*
- A-0195** OUTCOMES OF ANTERIOR INTEROSSEOUS NERVE TRANSFER TO RESTORE INTRINSIC MUSCLE FUNCTION AFTER HIGH ULNAR NERVE INJURY
 Samuel George, Abdus Burahee, Andrew Sanders, Dominic Power | *Queen Elizabeth Hospital, Birmingham, UK*
- A-0496** DOUBLE NERVE TRANSFER FOR RECONSTRUCTION OF PINCH IN HIGH ULNAR NERVE PALSY
 Samuel Hodgson¹ Jacek Parylo¹ Tahseen Chaudhry² | ¹*The Medical School, University of Birmingham, UK;* ²*Department of peripheral nerve surgery, University Hospital Birmingham, UK*
- A-0158** CREATION OF A "BIO-SCREEN" THROUGH MULTIPLE NERVE TRANSFERS TO A SINGLE TARGET MUSCLE FOR HIGH FIDELITY PROSTHETIC CONTROL
 Matthias Luft^{1,2}, Konstantin D. Bergmeister^{1,2,4}, Johanna Klepetko^{1,2}, Vlad Tereshenko^{1,2}, Christopher Festin^{1,2}, Gregor Längle^{1,2}, Olga Politikou^{1,2}, Oskar C. Aszmann^{1,2,3} | ¹*Clinical Laboratory for Bionic Extremity Reconstruction, Division of Plastic & Reconstructive Surgery, Department of Surgery, Medical University of Vienna, Austria;* ²*Center for Biomedical Research, Medical University of Vienna, Austria;* ³*Division of Plastic and Reconstructive Surgery, Medical University of Vienna, Vienna, Austria;* ⁴*Karl Landsteiner University of Health Sciences, Department of Plastic, Aesthetic and Reconstructive Surgery, University Hospital St. Poelten, Krems, Austria*
- A-0254** TREATMENT OF SPASTIC FORELIMB HYPERTONIA WITH COGNITIVE MUSCLE REINNERVATION IN UPPER MOTOR NEURON SYNDROME
 Olga Politikou¹, Vlad Tereshenko¹, Matthias Luft¹, Christopher Festin¹, Gregor Längle¹, Silvia Muceli², Oskar Aszmann¹ | ¹*Clinical Laboratory for Bionic Extremity Reconstruction, Department of Surgery, Medical University of Vienna, Austria;* ²*Electrical Engineering, Chalmers University of Technology, Sweden*
- A-0879** NERVE TRANSFERS SESSION COMMENTARY
 Gürsel Leblebicioğlu

CHANNEL 4	
17:30-18:30	S45 KIENBÖCK
	Chair: Matthias Vanhees
A-0078	IS CORE DECOMPRESSION AN EFFECTIVE TREATMENT FOR KIENBÖCK'S DISEASE IN MIDDLE-AGED PATIENTS? Mauro Maniglio ^{1,2,3} , Ezequiel Zaidenberg ³ , Thürig Gregoire ² , Emanuel Gautier ² , Jorge Boretto ³ , Pablo De Carli ³ ¹ CHUV University hospital Lausanne, Switzerland; ² HFR, University Hospital Fribourg, Switzerland; ³ Hospital Italiano de Buenos Aires, University hospital, Argentina
A-0093	IS THERE A CORRELATION BETWEEN THE CLINICAL AND RADIOLOGICAL OUTCOME AFTER RADIUS CORE DECOMPRESSION FOR KIENBÖCK'S DISEASE? Mauro Maniglio ^{1,2,3} , Ezequiel Zaidenberg ² , Simon Roner ⁴ , Emanuel Gautier ³ , Gerardo Gallucci ² , Pablo De Carli ² ¹ CHUV, University Hospital Lausanne, Switzerland; ² Hospital Italiano de Buenos Aires, Argentina; ³ HFR, University hospital Fribourg, Switzerland; ⁴ KSGR, Kanton Hospital Chur, Switzerland
A-0163	IS SUFFICIENT TREATMENT OF KIENBÖCK'S DISEASE POSSIBLE USING THE OSTEOCHONDRAL FLAP FROM THE LATERAL FEMORLA CONDYLE? Christian M Windhofer ^{1,2} , Heinz K Bürger ³ , Alexander Gagg ⁴ ¹ Trauma Department, Unfallkrankenhause Salzburg, Austria; ² Ludwig-Boltzmann-Institut for experimental and clinical traumatology, Vienna, Austria; ³ Privat Hospital Maria Hilf, Klagenfurt, Austria; ⁴ General Hospital Salzburg, Department of maxillar surgery, Salzburg, Austria
A-0155	IMPROVEMENT OF LUNATE PERFUSION AFTER RADIAL CLOSING WEDGE OSTEOTOMY IN PATIENTS WITH KIENBÖCK'S DISEASE Jeong Hyun Lee, Yo-Han Lee, Kee Jeong Bae, Jihyeung Kim, Hyun Sik Gong, Young Ho Lee, Goo Hyun Baek, Department of Orthopaedic Surgery, Seoul National University, College of Medicine, Seoul, South Korea
A-0561	LUNATE FRAGMENTATION IN KIENBOCK'S DISEASE – 29 CASES. J.C.Botelho Hospital Lusíadas, Lisboa; Hospital de Sant'Ana, Parede, Portugal Hospital Lusíadas, Lisbon, Portugal
A-0232	PROXIMAL ROW CARPECTOMY: WITH OR WITHOUT RADIAL STYLOIDECTOMY? Geert van Rijt, Robin E. Delnoy, Elseke E.D.J. Bonhof-Jansen, Tjeerd R. de Jong Isala, Zwolle, The Netherlands
A-0876	KIENBÖCK SESSION COMMENTARY Matthias Vanhees
CHANNEL 1	
18:30-19:00	S46 MEET THE INDUSTRY

19:00-20:00 S47 NERVE GAP AND RECONSTRUCTION (INCL ALLOGRAFT)

Chair: Lars Dhalin, Bruno Battiston

A-0729 NERVE GRAFT - HOW, WHEN AND EXPECTED RESULTS

Erik Walbeehm

A-0730 TUBULIZATION - WICH, WHEN AND WHY

Pierluigi Tos

A-0731 NERVE ALLOGRAFT: INDICATION AND RESULTS

Bauback Safa

A-0732 NERVE TRANSFERS: WHEN AND WHY

Jean-Noel Goubier

A-0733 MANAGEMENT OF PAINFUL NEUROMA

Ivica Ducic

CHANNEL 2

19:00-20:00 S48 HOW TO MANAGE ULNAR SIDED WRIST PAIN

CHAIR: ALEX LLUCH, CARLOS HERAS-PALOU, JAN-RAGNAR HAUGSTVEDT

A-0806 ULNAR SIDED WRIST PAIN

Jan-Ragnar Haugstvedt | *Oslo, Norway*

Q & A from the audience. Clinical cases discussion

CHANNEL 3

19:00-20:30 S49 EFFICACY AND DURABILITY OF TREATMENT FOR RECURRENT DUPUYTREN'S CONTRACTURE

Chair: Paul Werker

A-0762 PROBLEM OF THE DEFINITION OF RECURRENCE; RESULTS OF TREATMENT OF RECURRENCES WITH PNF

Paul Werker

A-0763 HOW TO HANDLE RECURRENCE FOLLOWING TREATMENT WITH CCH. WHEN TO DO WHAT? SHORT AND LONG TERM RESULTS

David Warwick

A-0764 DERMOFASCIECTOMY AND SKIN GRAFTING. WHEN AND HOW TO DO IT? SHORT AND LONG TERM RESULTS

Ilse Degreef

A-0765 OUTCOME OF ARTHRODESIS FOR SEVERE RECURRENT PROXIMAL INTERPHALANGEAL JOINT CONTRACTURES IN DUPUYTREN'S DISEASE. WHEN AND HOW TO DO IT? SHORT AND LONG TERM RESULTS
Michelle Spiteri

CHANNEL 1

20:00-21:00 **S50 NERVE TRANSFERS IN OBP: INDICATIONS, ALTERNATIVES AND RESULTS**

Chair: Francisco Soldado

A-0755 SAN-SSN
Kevin Little

A-0756 OBERLIN
Jayme Bertelli

A-0757 TRICEPS TO AXILLARY
Amr El-Sayed

A-0758 INTERCOSTALS
Dan Zlotolow

A-0759 CONTRALATERAL C7
Gürsel Leblebicioglu

A-0760 SAN-INFRA SPINATUS / TRICEPS-TERES MINOR
Francisco Soldado

CHANNEL 2

20:00-21:00 **S51 MYTHS AND FACTS ABOUT WRIST PROPRIOCEPTION**

Chair: Alex Lluch, Carlos Heras-Palou

A-0810 WRIST PROPRIOCEPTION. FACT OR MYTH?
Elisabet Hagert | *Stockholm, Sweden*

A-0811 ROLE OF NEUROMUSCULAR CONTROL IN THE STABILIZATION OF LIGAMENT-DEFICIENT WRISTS
Mireia Esplugas | *Barcelona, Spain*
Q & A FROM THE AUDIENCE. CLINICAL CASES DISCUSSION.

CHANNEL 3

20:30-22:00 **S88 RECURRENT/PERSISTENT CMC THUMB PAIN AFTER TRAPEZIECTOMY**

Chair: Flip Stockmans

A-0887 RE-SUSPENSION OPTIONS AFTER FAILED TRAPEZIECTOMY
Flip Stockmans

- A-0888** REVISIONS AFTER FAILED RESECTION-INTERPOSITION-ARTHROPLASTY OF THE CMC I JOINT
Daniel Herren
- A-0889** SURGICAL OPTIONS AFTER FAILED CMC JOINT TOTAL ARTHROPLASTY
Michel Chammas

CHANNEL 1

21:00-22:00 S53 TREATMENT OF RECURRENT CARPAL AND CUBITAL TUNNEL

Chair: Francisco del Piñal

- A-0761** RECURRENT CARPAL TUNNEL
Roberto Adani
- A-0726** IRRITATIVE CARPAL TUNNEL SYNDROME (ICTS)
Francisco del Pinal
- A-0727** RECURRENT ULNAR TUNNEL
Mike Ruettermann
- A-0728** LAST RESORT OPTIONS FOR FAILED CUBITAL AND CARPAL TUNNEL DECOMPRESSION
J Henk Coert

CHANNEL 2

21:00-22:00 S54 IS THERE ANY CERTAINTY IN KIENBÖCK'S DISEASE

Chair: Alex Lluch, Carlos Heras-Palou, Greg Bain

- A-0808** KINEMATICS OF KIENBOCK'S DISEASE
Simon MacLean, Greg Bain | *Tauranga, New Zealand*
- A-0809** AN ALGORITHM FOR MANAGEMENT OF KIENBOCK'S DISEASE
Greg Bain | *Adelaide, Australia*
Q & A from the audience. Clinical cases discussion

FESSH 2021 PROGRAM

SATURDAY, 19 JUNE 2021

Hours	CHANNEL 1	CHANNEL 2	CHANNEL 3	CHANNEL 4	CHANNEL 5
07:20-09:00	S55				
08:00-09:00	Instructional Course 3	S56 - S58 EWAS lecture sessions			
09:00-10:00	S57		S59 Pediatric Hand Surgery	S60 - S64 - S68 Trauma Round tables	
10:00-11:00	Patient-reported Measures for better care	S62 EWAS Live surgery demonstration			
11:00-12:00					
12:30-13:30	S69 Free Papers 24	S70 Free Papers 25	S71 Free Papers 26	S72 Free Papers 27	
13:30-14:15	S73 - S75 Nation competition				
15:30-15:45	S76 Closing ceremony				

SATURDAY, 19 JUNE 2021

CHANNEL 1	
07:20-09:00	S55 INSTRUCTIONAL COURSE 3
A-0718	FLEXOR TENDON REPAIR - MANAGING COMPLICATIONS Gwendolyn van Strien
A-0719	PREVENTION AND MANAGEMENT OF COMPLICATIONS AFTER PERIPHERAL NERVE SURGERY; THE HAND THERAPY OPTIONS Ton Schreuders
A-0720	HAND THERAPY. PREVENTION AND MANAGEMENT OF COMPLICATIONS IN BONE AND JOINT FRACTURES Gert-Jan Kroon, Elske Bonhof-Jansen
A-0721	DEBUNKING CRPS Francisco del Pinal
A-0722	MANAGEMENT EXPECTATIONS/FACTITIOUS DISORDERS Randy Bindra
A-0723	INFORMED CONSENT - PREVENTING MEDICOLEGAL ISSUES Randy Bindra <i>Australia</i>
A-0724	COMPLICATIONS - WHAT THEY DO TO THE SURGEON David Warwick
A-0725	COMPLICATIONS: WHAT IS DOES WITH THE PATIENT Terry Whipple
CHANNEL 2	
08:00-09:00	S56 POTENTIAL COMPLICATIONS OF WRIST ARTHROSCOPY, AND HOW TO AVOID AND TREAT?
	Chair: J Henk Coert, Eva-Maria Baur
A-0793	TREATMENT OF DISTAL RADIO-ULNAR JOINT PROBLEMS J Henk Coert <i>The Netherlands</i>
A-0794	COMPLICATIONS OF WRIST ARTHROSCOPY: A MULTICENTER STUDY BASED ON 10,107 ARTHROSCOPIES Christophe Mathoulin <i>France</i>
A-0795	DRUJ ARTHROSCOPY AND TFCC REPAIR CONCEPT Toshi Nakamura <i>Japan</i>
A-0796	WRIST PALMAR GANGLIA CYSTS: WHY IWAS MEMBERS USE SO MANY DIFFERENT ARTHROSCOPIC TECHNIQUES? Philippe Liverneaux <i>France</i>

- A-0797** EARLY MOBILIZATION AND LIGAMENT INSTABILITY
Max Haerle | *Germany*
- A-0798** ARTHROSCOPIC REFIXATION OF TFCC BY BONE SCREW ANCHOR
Nicole Schmelzer-Schmied | *Switzerland*
- A-0886** DESIGNING A 20 MM INCISION TO PROTECT THE DORSAL BRANCH OF THE ULNAR NERVE DURING ARTHROSCOPIC REPAIR OF TFCC
Wednong Xu

	CHANNEL 1
09:00-12:00	S57 PATIENT-REPORTED MEASURES FOR BETTER CARE; HOW DO WE GET BEYOND THE TRADITIONAL OUTCOME MEASURES?

Chairs: Simon Farnebo, Ruud Selles

Patient-reported outcome measures have been advocated for decades as tools for patient-centered care and value-based healthcare. Classical patient-reported that measure in hand surgery measure pain, hand function, quality of life, and return to work are slowly working their way into daily clinical care. In recent years, however, other types of patient-reported measures have been proposed, such as experience measures, single-item questionnaires, screening instruments for psychological variables and expectations, and alternative outcome concepts have been proposed, such as the patient-acceptable symptom state. In this session, different presenters will present and discuss innovation in patient-reported measures and their use to improve the quality of hand surgery in daily practice.

- A-0787** INTRODUCTION
Simon Farnebo
- A-0788** USING PATIENT-REPORTED DATA AT POINT OF CARE
Robin Kamal
- A-0789** KEEPING IT SIMPLE: HAND NORMALITY AND THE NET PROMOTER SCORE
Paul Stirling
- A-0790** PATIENT-REPORTED EXPERIENCE MEASURES; ABOUT MORE THAN THE QUALITY OF COFFEE
Ruud Selles
- A-0791** HOW GOOD IS GOOD ENOUGH? MINIMAL IMPORTANT CHANGE AND PATIENT ACCEPTABLE SYMPTOM STATE
Miriam Marks
- A-0792** MEASURING PATIENT-REPORTED EXPECTATIONS AND MINDSET; A PATHWAY TO IMPROVE OUTCOME?
Mark van der Oest

	CHANNEL 2
09:00-10:00	S58 ARTHROSCOPIC MANAGEMENT OF COMPLEX WRIST INSTABILITY

Chair: Jan Ragnar Haugstvedt, Nicole Schmelzer-Schmied

- A-0799** ARTHROSCOPIC ASSISTED RECONSTRUCTION OF LT-LIGAMENT
Jan Ragnar Haugstvedt | *Norway*
- A-0800** ARTHROSCOPIC-ASSISTED PARTIAL WRIST ARTHRODESIS
Eva-Maria Baur | *Germany*
- A-0801** ARTHROSCOPIC DISTAL SCAPHOID RESECTION FOR SCAPHO-TRAPEZIUM-TRAPEZOID ARTHRITIS
Riccardo Luchetti | *Italy*
- A-0802** EFFECTIVENESS OF AN ARTHROSCOPIC TECHNIQUE TO CORRECT SUPINATION LOSSES OF 90° OR MORE
Francisco del Pinal | *Spain*
- A-0803** SALVAGE OF FAILED ABG IN SCAPHOID NONUNION
PC Ho | *Hong Kong*
- A-0804** TFCC ANATOMY: A NEW ARTHROSCOPY AND FUNCTIONAL 3D-3 PART CONCEPT
Guillaume Herzberg, Marion Burnier | *France*
- A-0805** MANAGEMENT OF COMPLEX WRIST INJURIES
Greg Bain | *Australia*

	CHANNEL 3
09:00-12:00	S59 PEDIATRIC HAND SURGERY - CONGENITAL MALFORMATIONS AND COMPLICATION

Chair: Steven Hovius, Daniel Weber, Wee Leon Lam

The well-known saying is: I learned the most from my complications, I still remember them well! Join us at the congenital hand session June 19th. Experts in the field will elaborate on their complications and will discuss on their complications what they did about it and how to prevent them. Twelve different hand and forearm anomalies will be presented with ample time for discussion.

- A-0812** SYNDACTYL
Daniel Weber
- A-0813** SYNDACTYL, USING ARTIFICIAL GRAFTS
Lorenzo Garagnani
- A-0814** APERT SYNDROME
Henk Giele

- A-0815** RADIAL POLYDACTYLY
Christianne van Nieuwenhoven
- A-0816** TRIPHALANGEAL THUMB
Steven Hovius
- A-0819** CLEFT HAND
Stéphane Guero
- A-0817** HYPOPLASTIC THUMB, GRADE 2 AND 3A
Dean Boyce
- A-0818** POLLICISATION
Marybeth Ezaki
- A-0820** ARTHROGRYPOSIS
Scott Oishi
- A-0821** SYMBRACHYDACTYLY
Gill Smith
- A-0822** MACRODACTYLY
Andrea Jester
- A-0823** LONGITUDINAL RADIAL DEFICIENCY
Rolf Habenicht
- A-0824** PULPE
Daniel Weber

CHANNEL4

09:00-10:00 S60 HAND TRAUMA PREVENTION AND PREVENTION OF COMPLICATIONS

Chair: Anna De Leo, Geert Buijze

- A-0734** POSSIBLE IDEAS FOR A TRAUMA PREVENTION CAMPAIGN IN EUROPE
Anna De Leo
- A-0735** PREVENTION OF MOST COMMON MISTAKES IN HAND TRAUMA
Zoe Dailiana
- A-0736** PREVENTION OF COMPLICATION IN REPLANTATION SURGERY
Pierluigi Tos

CHANNEL 2

10:00-12:00 S62 ARTHROSCOPIC MANAGEMENT OF WRIST INSTABILITY

Program synopsis:

1. Short refresher of wrist arthroscopy, how to avoid complications, know your equipment
2. Different techniques to reconstruct Scaphoid Lunate tears
3. Different techniques to reconstruct TFCC instability

Invited surgeons:

Max Haerle
Andrea Atzei
Michel Levadoux
Mireia Esplugas
Niels Schep
Joost Colaris
Roland Klein Nagelvoort
Henk Coert

Table 1 Arthroscopic Scapholunate repair:

- Intro with slides (3 min) Niels Schep
- Capsulodesis with(out) anchor (35 min) Max Haerle / Niels Schep

LIVE FROM Hong Kong: Box PC Ho reconstruction (15 min) PC Ho

- Intro with slides (3 min) Roland Klein Nagelvoort
- Stabilization SL and with resection/interposition arthroplasty (45 min) Michel Levadoux / Joost Colaris

LIVE FROM Madrid: Corella reconstruction (15) Fernando Corella

Table 2 Arthroscopic repair of the TFCC:

- Intro with slides (3 min) J Henk Coert
- TFCC: fovea repair with anchor (25 min) Andrea Atzei / J Henk Coert
- Capsular repair (25 min) Mireia Esplugas / Roland Klein Nagelvoort
- Intro with slides (3 min) Joost Colaris
- TFCC Reconstruction (with tendon graft) (50 min) Andrea Atzei / Mireia Esplugas

Remote moderator from Norway: Jan Ragnar Haugstvedt

CHANNEL 4

11:10-12:00 S68 COMPLEX REGIONAL PAIN SYNDROME

Chair: Piotr Czarnecki

A-0743

A MODERN PHARMACOLOGIC APPROACH TO CRPS WITH NERIDRONATE
Simona Odella, Massimo Varenna, Chiara Crotti

A-0744 SURGERY FOR SOME "CRPS" PATIENTS - WHO, HOW, AND WHEN -
Francisco del Pinal

CHANNEL 1

12:30-13:30 **S69 WRIST ARTHROPLASTY / COVID**

Chair: Juan José Hidalgo Diaz

A-0184 PROSTHETIC REPLACEMENT OF THE WRIST

sandra pfanter, giovanni munz, giulio lauri, prospero bigazzi | *Hand Surgery and Reconstructive Microsurgery Unit - AOU Careggi Hospital, Florence ITALY*

A-0242 UNIVERSAL 2 TOTAL WRIST ARTHROPLASTY FOR RHEUMATOID ARTHRITIS

David Veigl, Stanislav Popelka, Jan Pech | *David Veigl*

A-0647 HAND TRAUMA INJURY PATTERN DURING THE PANDEMIC

Bafiq Nizar^{1,2}, Tae Park¹, Qureish Vanat¹, Ohema Powell¹, Maximilian Gardner¹, Ellie Ctori¹, Ella Tumelty¹, Jill Webb¹, Rajive Jose¹, Samuel George¹, Mark Foster¹, Darren Chester¹, Dominic Power¹, | *¹Birmingham Hand Centre, University Hospitals NHS Foundation Trust, United Kingdom; ²St. John's Hospital, Livingston, United Kingdom*

A-0512 SHOULD WE STOP ELECTIVE SURGERY DURING A PANDEMIC ?

Bafiq Nizar^{1,2}, Tae Park¹, Qureish Vanat¹, Ohema Powell¹, Maximilian Gardner¹, Ellie Ctori¹, Ella Tumelty¹, Jill Webb¹, Rajive Jose¹, Dominic Power¹ | *¹Birmingham Hand Centre, University Hospitals NHS Foundation Trust, United Kingdom; ²St. John's Hospital, Livingston, United Kingdom*

A-0500 A SAFE PROTOCOL FOR INTRA-ARTICULAR STEROID INJECTIONS TO THE HAND DURING COVID-19 PANDEMIC

Sofia Eriksson, Iain Roy, Robert Manton, Patrick Goon, Frederik Schreuder | *Lister Hospital, Stevenage, UK*

A-0644 PATIENT REPORTED OUTCOME MEASURE IN HAND TRAUMA SURGERY DURING A PANDEMIC

Bafiq Nizar^{1,2}, Tae Park¹, Qureish Vanat¹, Ohema Powell¹, Maximilian Gardner¹, Ellie Ctori¹, Ella Tumelty¹, Jill Webb¹, Rajive Jose¹, Dominic Power¹ | *¹Birmingham Hand Centre, University Hospitals NHS Foundation Trust, United Kingdom; ²St. John's Hospital, Livingston, United Kingdom*

A-0511 PATIENT-REPORTED OUTCOME MEASURES IN MANAGEMENT OF PAEDIATRIC TRAUMATIC FINGERTIP INJURIES USING SKIN GLUE OR SUTURES: A COMPARATIVE STUDY BEFORE AND DURING COVID

Jia Choong¹, Colin Brewster¹, Aayushi Singal², Nikita Shah¹, Nicola Gallaher¹, Aisha Hussein², Ming Ing Chew², Yan Tsui², Ethel Ojo², Kezia Echlin¹, Andrea Jester¹ | *¹Birmingham Children's Hospital, United Kingdom; ²Aston Medical School, United Kingdom*

A-0453 POST-PRONING PLEXOPATHY IN COVID-19 CRITICAL CARE PATIENTS: A REGIONAL HAND AND NERVE SURGERY SERVICE'S EXPERIENCE AND RECOMMENDATIONS AT A MAJOR CRITICAL CARE CENTRE

Ali M. Jawad, Jack Jeffrey, Emma Cahill, Caroline Miller, Joel O'Sullivan, Andrew Sanders, Abdus Burahee, Dominic Power | *HaPPeN Research Group, Queen Elizabeth Hospital, Birmingham, United Kingdom*

A-0885 WRIST ARTHROPLASTY / COVID SESSION COMMENTARY

Juan José Hidalgo Diaz

CHANNEL 2

12:30-13:30 **S70 CARPAL / ARTHROSCOPY**

Chair: Gerald Kraan

A-0582 SURGICAL TREATMENT OF CHRONIC (MISDIAGNOSED) PERILUNATE FRACTURE DISLOCATIONS

Sergii Strafun, Oleksii Dolhopolov, Sergii Tymoshenko, Serhii Bezruchenko, Maryna Yarova | *SI «Institute of traumatology and orthopedics of the NAMS of Ukraine», Kyiv, Ukraine*

A-0399 OUTCOMES OF A PROPRIOCEPTIVE RETRAINING PROGRAM IN PATIENTS WITH MIDCARPAL INSTABILITY; A COHORT STUDY OF 194 PATIENTS

Mart Brands^{1,2}, Ruud Selles^{1,2}, Yara van Kooij^{1,2,4}, Reinier Feitz³, Harm Slijper³, Robbert Wouters^{1,2,4} | ¹*Department of Plastic, Reconstructive and Hand Surgery, Erasmus MC, Rotterdam, The Netherlands;* ²*Department of Rehabilitation Medicine, Erasmus MC, Rotterdam, The Netherlands;* ³*Hand and Wrist Center, Xpert Clinic, Amsterdam, The Netherlands;* ⁴*Center for Hand Therapy, Handtherapie Nederland, Utrecht, The Netherlands*

A-0486 DIFFERENCES IN PSYCHOLOGICAL FACTORS BETWEEN PATIENTS TREATED OPERATIVELY AND PATIENTS TREATED CONSERVATIVELY FOR CARPAL INSTABILITY

W. Davids, B. Hesselings, G.A. Kraan, N.M.C. Mathijssen | *Reinier de Graaf Hospital, Delft, The Netherlands*

A-0671 SCAPHOTRAPEZIOTRAPEZOIDAL JOINT ARTHRITIS ARTHROSCOPIC TREATMENT WITH TENDON ALLOGRAFT DOUBLE INTERPOSITION

Rita Pereira Cavaca¹, Paulo Gil Ribeiro¹, Catarina Quintas¹, Paulo Costa¹, José Alexandre Marques¹ | ¹*Centro Hospitalar e Universitário de Coimbra, Orthopaedics Department, Portugal*

A-0605 CLINICAL AND BIOMECHANICAL EVALUATION OF STT ARTHRODESIS

Artur Soczka¹, Marta Jokiel^{1,2}, Piotr Czarnecki¹, Leszek Romanowski¹ | ¹*Traumatology, Orthopedics and Hand Surgery Department Poznan University of Medical Sciences, Poland;* ²*Physiotherapy Clinic Poznan University of Medical Sciences, Poland*

A-0520 DIAGNOSTIC ARTHROSCOPY IN THE SURGICAL PLANNING OF WRIST OSTEO-ARTHRITIS

Jane C Messina¹, Riccardo Luchetti², Paolo Arrigoni¹, Alessandra Menon¹, Pietro Randelli¹ | ¹*First Orthopaedic Clinic, University of Milan, Gaetano Pini- CTO Orthopaedic Institute, Milan, Italy;* ²*Rimini Hand Centre, Rimini, Italy*

A-0275 ARTHROSCOPIC SYNOVECTOMY OF THE WRIST IN PATIENTS WITH RHEUMATOID ARTHRITIS: A SYSTEMATIC REVIEW AND META-ANALYSIS

Philip d'Ailly¹, Marjolein Mulders¹, Radjesh Bissoendial², Marc Kok², Henk Coert³, Niels Schep¹ | ¹*Department of Hand and Trauma Surgery, Maasstad Hospital, Rotterdam, the Netherlands;* ²*Department of Rheumatology, Maasstad Hospital, the Netherlands;* ³*Department of Hand Surgery, University Medical Centre Utrecht, the Netherlands*

A-0859 CARPAL / ARTHROSCOPY SESSION COMMENTARY

Gerald Kraan

Chair: Christianne van Nieuwenhoven

- A-0288** A SYSTEMATIC REVIEW OF VASCULARIZED TOE AND NON-VASCULARIZED TOE PHALANGEAL TRANSFER FOR RECONSTRUCTION OF CONGENITAL ABSENCE OF DIGITS OR THUMB
Abigail E Meyers, Bahar Bassiri Gharb, Antonio Rampazzo | *Cleveland Clinic, Cleveland, OH, USA*
- A-0180** RECONSTRUCTION OF SEVERELY HYPOPLASTIC THUMB BY NON-VASCULARIZED METATARSAL GRAFT WITH ABDUCTOR DIGITI MINIMI OPPONENSPLASTY
Takehiko Takagi¹, Ruriko Iigaya¹, Atsuhito Seki¹, Shinichiro Takayama¹ | ¹*National Center for Child Health and Development, Tokyo, Japan*
- A-0557** COMPLICATIONS IN CONGENITAL THUMB HYPOPLASIA TREATMENT
Igor Shvedovchenko¹, Andrei Koltsov¹ | ¹*Federal State Budgetary Institution «Federal Scientific Center of Rehabilitation of the Disabled named after G.A. Albrecht» of the Ministry of Labour and Social Protection of the Russian Federation, St.Petersburg, Russia*
- A-0251** THE MORPHOLOGY OF SOFT TISSUE ABNORMALITIES IN RADIAL LONGITUDINAL DEFICIENCIES: MULTIPLE TISSUE ANALYSIS IN EXPERIMENTALLY GENERATED MALFORMATIONS WITH THE CHICKEN MODEL
Julia Dong Hwa Oh¹, Wee Leon Lam², Megan G. Davey¹ | ¹*The Roslin Institute, Edinburgh, UK;* ²*Royal Hospital for Sick Children, Edinburgh, UK*
- A-0591** ASSESSMENT OF ULNAR ELONGATION BY DISTRACTION OSTEOGENESIS IN RADIAL LONGITUDINAL DEFICIENCY.
Michał Górecki, Piotr Czarnecki, Marcin Redman | *Department of Traumatology, Orthopaedics and Hand Surgery, Poznań University of Medical Sciences,*
- A-0522** PRIMARY SURGERY FOR RADIAL POLYDACTYLY: LONG-TERM FOLLOW UP
Lisa Ng¹, Susan Stevenson¹, Helen Stark¹, Jane Maraka¹, Brid Crowley¹ | ¹*Department of Plastic and Reconstructive Surgery, Royal Victoria Infirmary, Newcastle upon Tyne Hospitals NHS Foundation Trust, Newcastle upon Tyne, United Kingdom*
- A-0572** ELBOW JOINT FORMATION IN CHILDREN WITH CONGENITAL HUMERORADIAL SYNOSTOSIS.
Andrey Koltsov¹, Igor Shvedovchenko¹ | *Federal State Budgetary Institution «Federal Scientific Center of Rehabilitation of the Disabled named after G.A. Albrecht» of the Ministry of Labour and Social Protection of the Russian Federation, Russian Federation, 195067, St.Petersburg, Bestuzhevskaya street, 50*
- A-0864** CONGENITAL THUMB/RADIUS SESSION COMMENTARY
Christianne van Nieuwenhoven

Chair: Frederik Verstreken

- A-0084** ANTIBIOTIC PROPHYLAXIS IN CLEAN HAND SURGERY: PROSPECTIVE ANALYSIS OF MAJOR & MINOR COMPLICATIONS
JUSTIN KISTLER, ASIF ILYAS | *The Rothman Institute at Thomas Jefferson University Philadelphia, PA, USA*
- A-0297** A MICROBIOLOGICAL ANALYSIS OF 210 CASES OF HAND OSTEOMYELITIS
Dallan Dargan^{1,2} Matthew Wyman^{1,2}, Dominic Ronan¹, Mark Heads³, Dave Partridge^{4,5}, Jennifer Caddick¹, Victoria Giblin^{1,2} | *¹Sheffield Hand Centre, Sheffield Teaching Hospitals NHS Foundation Trust, UK; ²Academic Medical Unit, University of Sheffield, UK; ³Sheffield Medical School, University of Sheffield, UK; ⁴Department of Microbiology, Sheffield Teaching Hospitals NHS Foundation Trust, UK; ⁵Florey Institute for Host-Pathogen Interactions, University of Sheffield, UK*
- A-0299** HAND OSTEOMYELITIS: A REVIEW OF THE LITERATURE OVER THE LAST 30 YEARS
Dallan Dargan^{1,2}, Matthew Wyman^{1,2}, Dominic Ronan¹, Megan Baker¹, Dave Partridge^{3,4}, Jennifer Caddick¹, Victoria Giblin^{1,2} | *¹Sheffield Hand Centre, Sheffield Teaching Hospitals NHS Foundation Trust, UK; ²Academic Medical Unit, The University of Sheffield, UK; ³Department of Microbiology, Sheffield Teaching Hospitals NHS Foundation Trust, UK; ⁴Florey Institute for Host-Pathogen Interactions, University of Sheffield, UK*
- A-0117** HAND OSTEOMYELITIS IN ARTERIAL CALCIFICATION, DIABETES MELLITUS AND END STAGE RENAL FAILURE: A COMPARISON OF 210 CASES OVER 12 YEARS
Matthew Wyman^{1,2}, Dallan Dargan^{1,2}, Jennifer Caddick¹, Victoria Giblin^{1,2} | *¹Sheffield Teaching Hospitals NHS Foundation Trust, United Kingdom; ²Academic Medical Unit, The University of Sheffield, United Kingdom*
- A-0540** THE UTILITY OF PROPHYLACTIC ANTIBIOTICS IN PREVENTING INFECTION AFTER INTERNAL FIXATION OF CLOSED FRACTURES OF THE HAND
Guy Feldman¹, Hagay Orbach¹, Nimrod Rozen^{1,2}, Guy Rubin^{1,2}, | *¹Orthopedic Department, Emek Medical Center, Afula, Israel; ²Faculty of Medicine, Technion, Haifa, Israel*
- A-0465** EARLY BONE BIOPSY AND TREATMENT FAILURE RATES IN OSTEOMYELITIS OF THE HAND: A STUDY OF 92 PATIENT OUTCOMES
Dominic Ronan¹, Dallan Dargan^{1,2}, Matthew Wyman^{1,2}, Dave Partridge^{3,4}, Jennifer Caddick¹, Victoria Giblin^{1,2} | *¹Sheffield Hand Centre, Sheffield Teaching Hospitals NHS Foundation Trust, UK; ²Academic Medical Unit, University of Sheffield, UK; ³Department of Microbiology, Sheffield Teaching Hospitals NHS Foundation Trust, UK; ⁴Florey Institute for Host-Pathogen Interactions, University of Sheffield, UK*
- A-0276** SILVER ION DOPED HYDROXYAPATITE COATED TITANIUM PINS PREVENT BACTERIAL COLONIZATION
Adnan Sevencan, Elif Kartal Doyuk, Nusret Kose | *Eskisehir Osmangazi University, Eskisehir, Turkey*

A-0398 RISK FACTORS FOR COMPLICATIONS FOLLOWING CAT BITE INJURIES OF THE HAND
Isabella Fassola, Mojtaba Ghods | *Plastische, Ästhetische, Rekonstruktive Mikro/Handchirurgie, Klinikum Ernst von Bergmann GmbH, Potsdam, Germany*

A-0875 INFECTIONS SESSION COMMENTARY
Frederik Verstrecken

CHANNEL 1

13:30-14:15 S73 SLAC/SNAC WRIST

Moderators: Alex Lluch

A-0851 SLAC / SNAC? - PRC RULES!
Jonny Andersson

A-0852 SLAC / SNAC WRIST - THREE BONES ARTHRODESIS (PSEUDO PROXIMAL ROW CARPECTOMY)
Emmanuel Camus

A-0853 SNAC/SLAC: FOUR CORNER FUSION
Mikko Raisanen

14:15-14:45 S74 AVASCULAR PROXIMAL SCAPHOID POLE

Moderators: Brigitte van der Heijden, Christina Lipede

A-0854 AVASCULAR PROXIMAL SCAPHOID POLE 1
Philippe Bellemère

A-0855 AVASCULAR PROXIMAL SCAPHOID POLE 2
Rohit Arora

14:45-15:30 S75 SCAPHOID NONUNION

Moderators: Geert Buijze, Antoine Martins

A-0856 SCAPHOID NONUNION: NON-VASCULARIZED ARTHROSCOPIC BONE GRAFT
Pedro Delgado

A-0857 SCAPHOID NONUNION: NONVASCULARIZED OPEN TECHNIQUE
Pascal Hanneman

A-0858 VASCULARIZED BONE GRAFT FOR SCAPHOID NONUNION: MEDIAL FEMORAL CONDYLE
Gernot Schmidle

15:30-15:45 S76 CLOSING CEREMONY

POSTER GALLERY

- A-0160** RADIOGRAPHIC MEASUREMENTS OF THE NORMAL DISTAL RADIUS: RELIABILITY OF COMPUTER-AIDED CT VERSUS PHYSICIANS' RADIOGRAPH INTERPRETATION Nora Suojärvi, Nina Lindfors, Theresa Höglund, Robert Sippo, Eero Waris | *Department of Hand Surgery, Helsinki University Hospital and University of Helsinki, Helsinki, Finland*
- A-0013** IMPROVING HAND TRAUMA CLERKING USING AN ELECTRONIC PROFORMA: A FULL CYCLE CLINICAL AUDIT Joshua Luck, Kate Spiteri, Annabelle Lim, Jamil Moledina, Roger Adlard | *St George's Hospital, London, UK*
- A-0017** UNSTABLE NON-UNION OF THE SCAPHOID, DOES THE DCSS MAY PLAY A ROLE? Isidro Jiménez¹, Pedro J Delgado², José Medina³ | ¹*Hospital Universitario Insular de Gran Canaria, Las Palmas de Gran Canaria, Spain;* ²*Hospital Universitario HM Montepríncipe, Madrid, Spain;* ³*Mutua de Accidentes de Canarias -MAC-. Las Palmas de Gran Canaria, Spain*
- A-0018** THREE-DIMENSIONAL PRINTED CUSTOMISED ADJUSTABLE MALLET FINGER SPLINT: A CHEAP, EFFECTIVE AND COMFORTABLE ALTERNATIVE. Theodora Papavasiliou¹, Rushabh K Shah¹, Stelios Chatzimichail², Lauren Uppal¹, Jeffrey C.Y Chan¹ | ¹*Guy's and St Thomas' Hospitals, London, UK;* ²*Imperial College, London, UK*
- A-0022** NURSE-LED STEROID INJECTION CLINICS: AN EVALUATION OF PATIENT PERCEPTIONS AND FINANCIAL IMPLICATIONS Su Jeong¹, Kate Spiteri², Jamil Moledina² | ¹*St George's University of London, UK;* ²*St George's University Hospitals NHS Foundation Trust, UK*
- A-0641** GUNSHOT INJURIES OF THE HAND: FRACTURES OF THE METACARPAL BONES WITH DEFECTS ALONG THE DIAPHYSIS AND THEIR TREATMENT IN A SPECIALIZED CENTER Daragan R.¹, Tovstograi V.², Kondrashova I.¹ | *City Clinical Hospital No. 16¹, Dnipro Railway Clinical Hospital²; Dnipro, Ukraine*
- A-0029** MANAGEMENT OF COEXISTING LIPOFIBROMATOUS HAMARTOMA ON THE MEDIAN AND ULNAR NERVE. CLINICAL CASE AND LITERATURE REVIEW. Ana Scott-Tennent De Rivas¹, Laura Prats Gispert^{1,2}, Amer Mustafa Gondolbeu,^{1,2} Pau Forcada Calvet^{1,2}, Marta Bonjorn Marti^{1,2} | ¹*Hospital Universitari Arnau de Vilanova, Spain;* ²*Universitat de Lleida, Spain*
- A-0036** THE CLINICAL RESULTS AND SURGICAL INDICATION OF VOLAR RIM PLATE FIXATION FOR DISTAL RADIUS FRACTURE Young Woo Kwon¹, Ji Hun Park¹, In Cheul Choi¹, Jong Woong Park¹ | ¹*Korea University College of Medicine, Seoul, South Korea*
- A-0037** PATIENT-REPORTED OUTCOMES ONE YEAR AFTER PROXIMAL INTERPHALANGEAL JOINT ARTHROPLASTY FOR OSTEOARTHRITIS Notermans BJW¹, van der Oest MJW², de Boer HL³, Selles RW², the Hand-Wrist Study group^{*2}, van der Heijden EPA^{1,4} | ¹*Radboudumc, Nijmegen, the Netherlands;* ²*Erasmus MC, Rotterdam, the Netherlands;* ³*Xpert Clinic, the Netherlands;* ⁴*Jeroen Bosch Ziekenhuis, 's-Hertogenbosch, the Netherlands*
- A-0046** ULTRASOUND BASED MEASURING METHOD OF SCAPHOLUNATE DISLOCATION DURING SCAPHOID SHIFT TEST Raffael Labèr, Lisa Reissner, Ladislav Nagy, Andreas Schweizer | *Department of Orthopaedics, Balgrist University Hospital, Forchstrasse 340, 8008 Zürich, Switzerland*
- A-0047** TRANSTHYRETIN AMYLOIDOSIS WITH BIFID MEDIAN NERVE AS A CAUSE OF BILATERAL CARPAL TUNNEL SYNDROME: HAND SURGEONS WARNING CASE REPORT Andreu Triguero Espinosa¹, Silvia Lopez Marné¹, Alfred Llop Corbacho¹, Jose Moranas Barrero¹, Joaquim Casañas Sintes¹, José Luis Agulló Ferrer¹ | ¹*Bellvitge University Hospital, Hospitalet de Llobregat, Spain.*
- A-0050** A STANDARDISED HAND FRACTURE FIXATION TRAINING FRAMEWORK FOR SURGICAL RESIDENTS USING NOVEL 3D PRINTED EX-VIVO HAND MODELS: OUR EXPERIENCE AS A UNIT. Theodora Papavasiliou¹, Stelios Chatzimichail², Jeffrey C.Y Chan¹, Charles J Bain¹, Lauren Uppal¹, 1 Department of Plastic Surgery, Guys' and St Thomas' Hospitals, Westminster Bridge Rd, Lambeth, London SE1 7EH; 2 Department of Surgery and Cancer, Imperial College London, White City Campus, 80 Wood Lane, London W12 0BZ; | ¹*Department of Plastic Surgery, Guys' and St Thomas' Hospitals, London, UK;* ²*Department of Surgery and Cancer, Imperial College London, London, UK*

- A-0051** RADIOLOGICAL ANALYSIS OF SILASTIC FINGER JOINT ARTHROPLASTIES COMPARING SWANSON AND NEUFLEX (C) IMPLANTS; IMPLANT ROTATION IDENTIFIED AS A MODERATELY COMMON PROBLEM. Panagiotis Sgardelis, Grey Giddins | *Royal United Hospital, Bath, United Kingdom*
- A-0053** CARPAL KINEMATICS AFTER REPLACING THE SCAPHOID BY A PATIENT SPECIFIC PROSTHESIS - A 4D CT ANALYSIS Philipp Honigmann^{1,2,4}, Mathias Haefeli^{3,4}, Marieke de Roo^{4,5}, Joris Oonk⁴, Gustav Strijkers⁴, Johannes Dobbe⁴, Strackee SD⁵, Streekstra GJ^{4,6} | ¹*Hand Surgery, Kantonsspital Baselland, Liestal, Switzerland*; ²*Medical Additive Manufacturing, Department of Biomedical Engineering, University Basel, Switzerland*; ³*Hand Surgery, Kantonsspital Graubünden, Chur, Switzerland*; ⁴*Amsterdam UMC, University of Amsterdam, Department of Biomedical Engineering and Physics, Amsterdam Movement Sciences, Amsterdam, Netherlands*; ⁵*Department of Plastic, Reconstructive and Hand Surgery, Academic Medical Center, University of Amsterdam, Amsterdam Movement Sciences, Amsterdam, The Netherlands*; ⁶*Department of Radiology, Academic Medical Center, University of Amsterdam, Amsterdam Movement Sciences, Amsterdam, The Netherlands*
- A-0059** TOURNIQUET USE IN HAND SURGERY - IS IT TIME TO RE-INFLATE THE EVIDENCE? Michael Gallagher¹, Andrew R McKean¹, Gordon McArthur² | ¹*Department of Plastic Surgery, St Thomas' Hospital, London, UK*; ²*Department of Plastic Surgery, Chelsea and Westminster Hospital, London, UK*
- A-0065** IMPLEMENTATION OF WALANT SURGERY IN A TERTIARY HAND TRAUMA CENTER Diogo Andrade Guimarães, Luís Vieira, Luís Ribeiro, Nuno Maria, Pedro Martins, Maria Manuel Mouzinho | *Centro Hospitalar Universitário Lisboa Central, Lisboa, Portugal*
- A-0071** THE EFFECTS OF SUBTOTAL TENDON SUTURE SITE ISOLATION: AN EXPERIMENTAL STUDY IN RAT THE EFFECTS OF SUBTOTAL TENDON SUTURE SITE ISOLATION: AN EXPERIMENTAL STUDY IN RAT Aleksandr Zenchenko¹, Yuliya Cherniakova² | ¹*Gomel Regional Clinical Hospital (Gomel, Belarus)*; ²*Gomel State Medical University (Gomel, Belarus)*
- A-0073** THE QUADRIGA REVISITED: A CADAVERIC STUDY ON THE ANATOMY AND BIOMECHANICS OF THE FLEXOR DIGITORUM PROFUNDUS. K. T. M. Oo¹, P. B. M. Thomas² | *University Hospitals of North Midlands, Stoke on Trent, Staffordshire, ST4 6QG, United Kingdom.*
- A-0074** THE EFFICACY OF SUPERFICIAL FLEXOR SHEATH INFILTRATION INJECTIONS FOR TRIGGER FINGER. K. T. M. Oo¹, T. Helliwell² | *University of Keele, School of Medicine, Staffordshire, ST5 5BG, United Kingdom*
- A-0076** ULCERATING STASIS DERMATITIS OF THE FOREARM ASSOCIATED WITH ARTERIOVENOUS GRAFT AND CENTRAL VEIN STENOSIS Diogo Andrade Guimarães; Luís Ribeiro; Luís Vieira; Rui Barata; Maria Manuel Mendes; Pedro Martins; Maria Manuel Mouzinho | *Centro Hospitalar Universitário Lisboa Central, Lisboa, Portugal*
- A-0077** EVALUATION OF THE TREATMENT OF OSTEOPOROSIS AFTER DISTAL RADIUS FRACTURES Yuta Nakamura¹, Kaoru Tada¹, Masashi Matsuta¹, Atsuro Murai¹, Hiroyuki Tsuchiya¹, Naoki Osamura², Seigo Suganuma³ | ¹*Department of Orthopaedic Surgery Graduate School of Medical Sciences Kanazawa University, Ishikawa, Japan*; ²*Department of Orthopaedic Surgery of Kanazawa Medical Center, Ishikawa, Japan*; ³*Department of Orthopaedic Surgery of Ishikawa Prefectural Central Hospital, Ishikawa, Japan*
- A-0081** SAFETY AND FEASIBILITY OF THE INJECTION THROUGH THE DORSAL WEBSpace IN THE TREATMENT OF TRIGGER DIGITS: ANATOMICAL STUDY. Isidro Jiménez^{1,2}, José Medina^{1,2}, Gerardo L Garcés^{2,3} | ¹*Hospital Universitario Insular de Gran Canaria, Las Palmas de Gran Canaria, Spain*; ²*Universidad de Las Palmas de Gran Canaria. Las Palmas de Gran Canaria, Spain*; ³*Hospital Perpetuo Socorro. Las Palmas de Gran Canaria, Spain*
- A-0083** ANTIBIOTIC PROPHYLAXIS IN CLEAN HAND SURGERY: A PROSPECTIVE ANALYSIS OF MAJOR & MINOR COMPLICATIONS ¹Justin Kistler, MD (jkistler75@gmail.com), ²Asif M. Ilyas, MD, MBA (aimd2001@yahoo.com) | *The Rothman Institute at Thomas Jefferson University Philadelphia, PA, USA*
- A-0090** THE EFFECTS OF UPPER EXTREMITY ELEVATION ON INTRA-CAST PRESSURE AND DIGITAL PERFUSION IN A FIBERGLASS SHORT ARM CAST MODEL Briana Fram, William Wang, Asif Ilyas | *Rothman Institute at Thomas Jefferson University, Philadelphia, PA, USA*

- A-0096** THE SHAPE SYMMETRY OF THE LUNATE: IMPLICATIONS FOR THE DESIGN OF 3D PRINTED PATIENT-SPECIFIC IMPLANTS Nazlı Tümer¹, Olivier Hiemstra², Yvonne Schreurs², Gerald A. Kraan², Amir A. Zadpoor¹, Johan van der Stok² | ¹*Department of Biomechanical Engineering, Delft University of Technology (TU Delft), Delft, The Netherlands;* ²*Department of Orthopaedic Surgery, Reinier Haga Orthopaedic Centre, Zoetermeer, The Netherlands*
- A-0097** FLEXOR CARPI RADIALIS BREVIS MUSCLE: A CASE REPORT Antonio Dudley, Raquel Maroto, Javier Otero, Claudio Peix, Julian Del Rio | *Hospital Universitario de la Princesa, Madrid, Spain*
- A-0102** DOES CIRCUMFERENTIAL CAST PREVENT FRACTURE REDISPLACEMENT OF REDUCED DISTAL RADIUS FRACTURES? A RETROSPECTIVE MULTICENTER STUDY. A.C. Berger¹, B. Barvelink¹, M. Reijman¹, T. Gosens², G.A. Kraan³, M.R. De Vries⁴, M.J. Verhofstad⁵, K.W.W. Lansink⁶, P.F.W. Hannemann⁷, J.W. Colaris¹ | ¹*Department of Orthopedic Surgery, Erasmus MC Rotterdam, University Medical Center, The Netherlands;* ²*Department of Orthopedic Surgery, Elisabeth Tweesteden hospital, Tilburg, The Netherlands;* ³*Department of Orthopedic Surgery, Reinier de Graaf Gasthuis, Delft, The Netherlands;* ⁴*Department of Surgery, Reinier de Graaf Gasthuis, Delft, The Netherlands;* ⁵*Trauma Research Unit, Department of Surgery, Erasmus MC, University Medical Center Rotterdam;* ⁶*Department of Surgery, Elisabeth Tweesteden hospital, Tilburg, The Netherlands;* ⁷*Department of Surgery, Maastricht University Medical Center, Maastricht, The Netherlands*
- A-0108** 1 & 2 COLUMN FUSION - SOLUTION FOR THE SLAC OR SNAC WRIST; CASE SERIES OF 42 CONSECUTIVE PATIENTS Robert Gvozdenovic¹, Lars Solgaard¹ | ¹*Herlev-Gentofte University Hospital of Copenhagen, Department of Orthopedics, Hand Surgery Unit*
- A-0109** ARTHROSCOPIC BONE GRAFTING OF THE SCAPHOID NONUNION - HIGH UNION RATE DESPITE THE HIGH PROXIMAL POLE INCIDENCE AND THE HUMPBACK DEFORMITY Robert Gvozdenovic¹, Dejan Susic¹ | *Herlev-Gentofte University Hospital of Copenhagen, Department of Orthopedics, Hand Surgery Unit*
- A-0118** SERUM INFLAMMATORY MARKERS IN THE DIAGNOSIS AND MONITORING OF HAND OSTEOMYELITIS: A RETROSPECTIVE REVIEW OF 146 CASES Matthew Wyman^{1,2}, Dallan Dargan^{1,2}, Diana Kazazzi¹, Jennifer Caddick¹, Victoria Giblin^{1,2} | ¹*Sheffield Teaching Hospitals NHS Foundation Trust, United Kingdom;* ²*Academic Medical Unit, The University of Sheffield, United Kingdom*
- A-0124** DIAGNOSIS OF NEUROGENIC THORACIC OUTLET SYNDROME BASED ON THE CLINICAL STATUS Ji Sup Hwang, Yohan Lee, Kee Jeong Bae, Jihyeung Kim, Hyun Sik Gong, Young Ho Lee, Goo Hyun Baek | *Seoul National University College of Medicine, Seoul National University Hospital, Korea*
- A-0127** PIP ARTHROPLASTY: COMPARISON OF COMPLICATIONS, REOPERATIONS AND REVISIONS AFTER SURFACE REPLACING AND SILICONE INTERPOSITION ARTHROPLASTY Olivia Helder¹, Miriam Marks¹, Andreas Schweizer², Daniel B. Herren³, Stephan Schindele³ | ¹*Department of Teaching, Research and Development, Schulthess Klinik, Zurich, Switzerland;* ²*Department of Orthopedic Surgery, Balgrist University Hospital, Zurich, Switzerland;* ³*Department of Hand Surgery, Schulthess Klinik, Lenggahalde 2, 8008 Zurich, Switzerland*
- A-0139** MULTIPLE SURGICAL TECHNIQUES USED IN THE RECONSTRUCTION OF MASSIVE TISSUE DEFECTS AFTER ELECTROCUTION. CASE REPORT Mihaela Pertea^{1,2}, Dmitrii Leontii², Diana Al Khazaleh², Alina Mihaela Stan², Petru Ciobanu^{1,2} | ¹*Grigore T Popa University of Medicine and Pharmacy, Iasi, Romania;* ²*Clinic of Plastic Surgery and Reconstructive Microsurgery, Sf. Spiridon Emergency County Hospital, Iasi, Romania*
- A-0142** OUTCOME AFTER SIMULTANEOUS NERVE TRANSFER OF SPINAL ACCESSORY AND INTERCOSTAL NERVE FOR PREGANGLIONIC TOTAL ARM TYPE INJURIES IN BRACHIAL PLEXUS: A PRELIMINARY REPORT Young Ho Lee¹, Goo Hyun Baek¹, Jihyeung Kim¹, Ji Sup Hwang¹, Jung Eun Lee² | ¹*Seoul National University Hospital, Seoul, South Korea;* ²*Gachon Gill Hospital, Gyeonggi-do, South Korea*
- A-0144** RADIOLOGICAL STUDY OF WEILBY ARTHROPLASTY COLLAPSE AND CLINICAL RELATIONSHIP Miguel Angel Martínez de la Torre, Norma Trigo Bermúdez, Carlos Antón Fernández, Enric Cruz Olivé | *General Hospital of Granollers, Barcelone, Spain*

- A-0148** UNLEASHING THE BRADFORD EXPERIENCE IN THE MANAGEMENT OF UPPER LIMB DOG BITES: A RETROSPECTIVE REVIEW Malik Fleet, Zakir Shariff, Zabihullah Abdul | *Bradford Teaching Hospital NHS Foundation Trust, Bradford, UK*
- A-0151** LONG-TERM RESULTS OF SAUVÉ-KAPANDJI PROCEDURE Lisa Reissner, Andreas, Schweizer, Lea Estermann, Ladislav Nagy | *Department of Orthopedics, Division of Hand Surgery, Balgrist University Hospital, Zurich, Switzerland*
- A-0153** ADHERENCE TO UPPER-LIMB DIGITAL SURGERY LOCAL SAFETY STANDARDS IN PLASTIC SURGICAL PATIENTS Frederick Wyatt | *Newcastle University*
- A-0154** WRIST AND UPPER LIMB POSTURES WHEN FALLING Grey Giddins, Hugo Giddins | *Royal United Hospitals, Bath, UK*
- A-0157** REMOTE HAND THERAPY AMID THE COVID-19 PANDEMIC Zeynep Tuna¹, Egemen Ayhan² | ¹*Department of Physiotherapy and Rehabilitation, Faculty of Health Sciences, Gazi University, Ankara, Turkey;* ²*Department of Orthopaedics and Traumatology, Diskapi YB Training and Research Hospital, University of Health Sciences, Ankara, Turkey*
- A-0161** IS THE ARTHROSCOPIC TREATMENT OF SCAPHOID NONUNION A RELIABLE PROCEDURE? Christian M Windhofer^{1,2}, Josef Schauer¹, Peter Jakob¹, Patrick Ivusic¹, | ¹*Trauma Department, AUVA Unfallkrankenhaus Salzburg, Austria;* ²*Ludwig-Boltzmann-Institute for experimental and clinical traumatology, Vienna, Austria*
- A-0165** SEASONAL IMPACT ON SURGICAL SITE INFECTIONS AND WOUND HEALING DISTURBANCE IN CARPAL TUNNEL SURGERY: A RETROSPECTIVE COHORT STUDY Wolfgang Raher^{1,2}, Matthias Holzbauer^{1,2}, Oskar Kwasny^{1,2}, Dominik Duscher¹, Stefan M Froschauer^{1,2} | ¹*Kepler University Hospital Linz, Medcampus III, Austria;* ²*Johannes Kepler University Linz, Austria*
- A-0166** DIAGNOSTIC ACCURACY OF HISTORY TAKING, PHYSICAL EXAMINATION AND IMAGING FOR PHALANGEAL, METACARPAL AND CARPAL FRACTURES: A SYSTEMATIC REVIEW UPDATE. Patrick Krastman¹, Nina M. Mathijssen³, Sita M.A. Bierma-Zeinstra^{1,2}, Gerald Kraan³, Jos Runhaar¹ | ¹*Erasmus MC University Medical Center Rotterdam, Rotterdam, the Netherlands, Department of General Practice. Room NA1911 PO Box 2040, 3000 CA Rotterdam, the Netherlands;* ²*Erasmus MC University Medical Center Rotterdam, Rotterdam, the Netherlands, Department of Orthopaedics. Department of General Practice. Room NA1920 PO Box 2040, 3000 CA Rotterdam, the Netherlands;* ³*Reinier de Graaf Groep, Delft, the Netherlands, Department of Orthopaedic Surgery. Reinier de Graafweg 5-11, 2625 AD Delft, the Netherlands*
- A-0170** COMPUTER-AIDED THREE-DIMENSIONAL MEASUREMENT OF CARPAL ALIGNMENT: MEASUREMENT TECHNIQUES AND NORMAL RANGES Robert Sippo, Theresa Höglund, Eero Waris | *Helsinki University Hospital Department of Hand Surgery, Helsinki, Finland*
- A-0175** RADIOFREQUENCY ELECTROSURGICAL THERMAL DAMAGE AT WRIST ARTHROSCOPY Grey Giddins¹, David Shewing², Nick Downing³ | ¹*Royal United Hospitals, Bath, UK;* ²*University Hospital of Wales, Cardiff, Wales;* ³*Nottingham University hospital, Nottingham, UK*
- A-0185** DISLOCATION OF THE ULNA HEAD: OUR EXPERIENCE AND TREATMENT'S ALGORITHM Sandra Pfanner, Anna Rizzo, Prospero Bigazzi, Marco Biondi, Andrea Poggetti | *Hand Surgery and reconstructive Microsuregry Unit - AOU Careggi Hospital, Florence Italy*
- A-0197** COMBINED SURGICAL APPROACH FOR CORRECTIVE OSTEOTOMY OF MALUNITED FRACTURES OF THE DISTAL RADIUS Oleg M. Semenkin²¹, Sergey N. Izmailkov¹, Alexander N. Bratiichuk¹, | ¹*Samara State Medical University, Russian Federation;* ²*Clinical Hospital MD GROUP, Samara, Russian Federation*
- A-0199** THE ASSOCIATION BETWEEN TRAUMA AND PAEDIATRIC TRIGGER THUMB DEFORMITY; EXPERIENCE FROM A SINGLE TERTIARY REFERRAL HOSPITAL Nadia Salloum, Pauline McGee, Wee Lam | *Royal Hospital for Sick Children, Edinburgh, UK*

- A-0200** TARGETED MUSCLE REINNERVATION: A NOVEL APPROACH TO THE MANAGEMENT OF A SUPERFICIAL BRANCH OF RADIAL NERVE NEUROMA Ye Ru Chin, Samuel George, Dominic Power, | *Queen Elizabeth Hospital Birmingham, UK*
- A-0203** 3D GUIDE DESIGN FOR THE MANAGEMENT OF UNDISPLACED SCAPHOID WAIST FRACTURES. FIRST EXPERIENCE IN CHILE. Carlos Federico Morales Hackett¹, Carolina Chavez Gatica², Cristian Navarro Bravo², Diego Cortes Carvajal² | ¹*Hospital Base San Juan de Dios, Curico, Chile;* ²*Plan3D, Vina del Mar, Chile*
- A-0209** PATIENTS WITH A DISTAL RADIUS FRACTURE WHO NECESSITATE SPECIALIST REFERRAL AND THOSE WHO DEVELOP PERSISTENT PAIN AFTER FRACTURE HEALING Rebecca Martin¹, Emma Reay¹ | ¹*James Cook University Hospital Middlesbrough United Kingdom*
- A-0212** TREATMENT OF CUP LOOSENING IN BALL AND SOCKET PROSTHESIS USING A MASSIVE ILIAC CREST GRAFT TO RECONSTRUCT THE TRAPEZIUM: TECHNIQUE AND FIRST RESULTS Vansh Kapila¹, Bert Vanmierlo², Chul Ki Goorens³, Kjell Van Royen⁴, Jean Goubau⁵ | ¹*Department of Orthopaedics and Traumatology, ZNA Jan Palfijn, Antwerp, Belgium;* ²*Department of Orthopaedics and Traumatology, Delta Hospital, Roeselare, Belgium;* ³*Department of Orthopaedics and Traumatology, RZ Heilig Hart, Tienen, Belgium;* ⁴*Department of Orthopaedics and Traumatology, AZ Damiaan, Oostende, Belgium;* ⁵*Department of Orthopaedics and Traumatology, Maria Middelaers Hospital, Ghent, Belgium*
- A-0213** HOW USEFUL ARE INFLAMMATORY MARKERS IN HAND INFECTIONS? Amenah Galo ,Maria Houlihan, Darren Chester (senior Author), | *Queen Elizabeth Hospital Birmingham, United Kingdom.*
- A-0217** SPLINT THERAPY FOR CARPAL TUNNEL SYNDROME Ryosuke Ikeguchi, Takashi Noguchi, Maki Ando, Koichi Yoshimoto, Bungo Otsuki, Shuichi Matsuda | *Kyoto University, Kyoto, Japan*
- A-0223** COMMON PERONEAL NERVE (CPN) DYNAMIC DECOMPRESSION, ANATOMICAL LANDMARKS AND SURGICAL OUTCOMES Madi El Haj, Ayman Khoury, Shawar Munther, Ido Volk, Sofia Vorobeitchik, Shai Luria | *Hadassah Hebrew University Medical Center, Jerusalem, Israel*
- A-0224** HIGH RADIAL NERVE INJURY – NERVE TRANSFER VS NERVE DECOMPRESSION. THE ROLE OF INTRAOPERATIVE ELECTRICAL DIAGNOSTIC STUDIES ON DECISION MAKING Madi El-Haj, Sofia Vorobeitchik, Ido Volk, Munther Shawar, Ayman Khoury, Shai Luria | *Hadassah Hebrew University Medical Center, Jerusalem, Israel*
- A-0225** OBLITERATION OF THE SCALENE TRIANGLE ON SAGITTAL MRI IS CORRELATED WITH INTRAOPERATIVE COMPRESSIVE FINDINGS OF THE BRACHIAL PLEXUS AND SUBCLAVIAN ARTERY IN PATIENTS WITH NEUROGENIC THORACIC OUTLET SYNDROME (NTOS) Madi El-Haj, Ori Wald, Amit Korah, Ido Volk, Sofia Vorobeitchik, Nurith Hiller, Shai Luria | *Hadassah Hebrew University Medical Center, Jerusalem, Israel*
- A-0229** PERCUTANEOUS ULTRASOUND GUIDED SECTION OF THE LACERTUS FIBROSUS FOR MEDIAN NERVE ENTRAPMENT AT THE ELBOW Thomas APARD¹, Olivier MARES², Paul MICHELIN³ | ¹*Ultrasound Hand Center, Versailles, France;* ²*Department of Orthopedic surgery, University Hospital, Nimes, France;* ³*Department of Radiology, University Hospital, Rouen, France*
- A-0231** CONGENITAL BOUTONNIERE DEFORMITY OF THUMB SECONDARY TO ATTENUATION OF THE EXTENSOR POLLICIS BREVIS TENDON. A CASE REPORT. Antonio Dudley, Sergio Marcos, Claudio Peix, Raquel Maroto, Jens Cardenas | *Hospital Universitario de la Princesa., Madrid, Spain*
- A-0234** ARTHROPLASTY OF THE PROXIMAL INTERPHALANGEAL JOINT WITH THE TACTYS® PROSTHESIS: CLINICAL AND RADIOGRAPHIC RESULTS WITH A MEAN FOLLOW-UP OF 5 YEARS Tim Philips⁴, Bert Vanmierlo³, Michiel Cromheecke¹, Pieter-Bastiaan De Keyzer¹, Jean F Goubau^{1,2} | ¹*Department of Orthopaedics and Traumatology, Upper Limb Unit, Maria Middelaers Hospital, Ghent, Belgium;* ²*Department of Orthopaedics and Traumatology, University Hospital Brussels (Vrije Universiteit Brussel), Brussels, Belgium;* ³*Department of Orthopaedics and Traumatology, Delta Hospital, Roeselare, Belgium;* ⁴*Department of Orthopaedics and Traumatology, University Hospital Ghent (UG), Ghent, Belgium*

- A-0235** SPONTANEOUS TENDON RUPTURE OF BOTH EXTENSOR TENDONS OF THE INDEX FINGER SECONDARY TO OSTEOPHYTOSIS OF A SNAC (SCAPHOID NON UNION ADVANCED COLLAPS) WRIST Tim Philips⁴, Kjell Van Royen³, Koen Mermuys⁴, Bert Vanmierlo⁵, Jean F Goubau¹² | ¹Department of Orthopaedics and Traumatology, Upper Limb Unit, Maria Middelaers Hospital, Ghent, Belgium; ²Department of Orthopaedics and Traumatology, University Hospital Brussels (Vrije Universiteit Brussel), Brussels, Belgium; ³Christina M Kleinert Institute for Hand & Microsurgery, Louisville, United States; ⁴Ghent University (UG), Ghent, Belgium; ⁵Department of Orthopaedics and Traumatology, Delta Hospital, Roeselare, Belgium; ⁶Department of Radiology, AZ-Sint-Jan Hospital Bruges, Belgium
- A-0237** RARE FINDING OF TRAUMATIC ANTERIOR LUXATION OF THE THUMB CARPOMETACARPAL JOINT Corneliu-George Coman, Liviu-Dumitru Damian, Nadine Schmid, Iva Neshkova | Centre Hospitalier de Luxembourg, Chirurgie Plastique
- A-0243** TOTAL BRACHIAL PLEXUS LESION RECONSTRUCTION WITH CONTRALATERAL C7 TRANSFER. Francesca Fissore, Paolo Titolo, Bruno Battiston | Operative Unit of Orthopedics and Traumatology - Reconstructive microsurgery and upper limb surgery - CTO University Hospital - Turin, Italy
- A-0248** SKELETAL FIXATION IN MUTILATED HAND. CAN INTRAMEDULLARY HEADLESS SCREW FIXATION BE CONSIDERED AN ALTERNATIVE TO K-WIRE FIXATION FOR DEFINITIVE TREATMENT IN HAND AND FINGER REPLANTATION? Andrea Poggetti, Suardi Chiara, Munz Giovanni, Pfanner Sandra, | Hand and Reconstructive Microsurgery Unit, AOU Careggi-CTO, Florence, Italy
- A-0253** 3000 YEARS OF BRACHIAL PLEXUS LESIONS HISTORY Andrii Lysak, Serhii Strafun, Arthur Bezuhlyi | State institution "Institute of Traumatology and Orthopedics of NAMS of Ukraine", Kyiv, Ukraine
- A-0255** THE STEEP LEARNING CURVE IN PERCUTANEOUS A1 PULLEY RELEASE Damian Sutter, Aline Treier, Esther Vögelin | University Hospital, Bern, Switzerland
- A-0256** THE ASSOCIATION BETWEEN SOCIOECONOMIC DEPRIVATION AND CONGENITAL DIFFERENCES OF THE HAND Claudia Chan¹, Paul Stirling², Wee Leon Lam^{1,3} | ¹University of Edinburgh, Edinburgh, UK; ²Royal Infirmary of Edinburgh, Edinburgh, UK; ³Royal Hospital for Sick Children, Edinburgh, UK
- A-0257** OUTCOME PREDICTORS AFTER SURGERY FOR NON TRAUMATIC ULNAR NEUROPATHY AT THE ELBOW Nathalie de Lambilly¹, Jessie Lamouille¹, Philippe Cuenod¹, Stéphane Kämpfen¹, Michaël Papaloïzos¹, | ¹CH8 Centre de thérapie et de chirurgie de la main, Genève, Suisse
- A-0260** WHAT IS THE ASSOCIATION BETWEEN SURGEONS EXPERTISE AND COMPLICATIONS IN LATERAL MIPO TECHNIQUE FOR THE TREATMENT OF DIAPHYSEAL HUMERUS FRACTURES? Ignacio Rellán¹, Gerardo Luis Gallucci¹, Agustin Guillermo Donndorff¹, Pablo De Carli¹, Ezequiel Ernesto Zaidenberg¹, Jorge Guillermo Boretto¹ | (1)Department of Orthopaedics, Hospital Italiano de Buenos Aires, Buenos Aires, Argentina; Instituto de Ortopedia y Traumatología "Carlos E. Ottolenghi," Potosí 4215 (C1199ACK), Buenos Aires, Argentina
- A-0264** NEGLECTED AND COMPLICATED MALLET FINGER: COMPARISON OF TREATMENT RESULTS WITH REGENERATIVE TECHNOLOGIES Arthur Bezuhlyi, Serhii Strafun, Andrii Lysak | State institution "Institute of Traumatology and Orthopedics of NAMS of Ukraine", Kyiv, Ukraine
- A-0279** THROMBOSIS OF PERSISTENT MEDIAN ARTERY AS A CAUSE OF CARPAL TUNNEL SYNDROME Sebastiaan Arnauw, Gerrit De Wachter | Jessa hospital, Hasselt, Belgium
- A-0281** OUTCOME OF NERVE TRANSFERS IN PATIENTS WITH CERVICAL SPINAL CORD INJURY – THE OSWESTRY EXPERIENCE OVER THE PAST 4 YEARS Soha Sajid, Alison Mannion, Simon Pickard | Robert Jones and Agnes Hunt Orthopaedic Hospital, Oswestry, SY10 7AG
- A-0282** MICROSURGICAL ANASTOMOSIS RATING SCALE (MARS10): A NOVEL SCORING SYSTEM FOR MICROSURGICAL TRAINING Filip Dąbrowski, Piotr Stogowski, Filip Flicięński, Jan Białek, Maciej Piotrowski, Tomasz Mazurek | Department of Orthopaedics and Traumatology Medical University of Gdansk

- A-0285** ANATOMICAL VARIATIONS OF EXTENSOR POLLICIS BREVIS TENDONS IN D'QUERVAIN'S DISEASE. CASE REPORT AND REVIEW OF LITERATURE Antonio Dudley, Claudio Peix, Sergio Marcos, Javier Otero, Jens Cardenas | *Hospital Universitario de la Princesa, Madrid, Spain*
- A-0296** THE EFFECT OF REFORMATTING AXIS OF COMPUTED TOMOGRAPHY SCANS ON THE MEASUREMENT OF DEFORMITIES IN SCAPHOID WAIST NONUNION Gwan Bum Lee, Jae Kwang Kim, and Young Ho Shin | *Department of Orthopaedic Surgery, Asan Medical Center, University of Ulsan College of Medicine, Seoul, South Korea*
- A-0302** THE EFFECTIVENESS AND SAFETY OF BIOABSORBABLE MAGNESIUM SCREW AND K-WIRE WITHIN SURGICAL TREATMENT FOR UPPER EXTRIMITY FRACTURE Chul-Hyung Lee, Jun-Han Kwon | *Department of Orthopedic Surgery, Daejeon Sun Hospital, Daejeon, Korea*
- A-0303** INTRODUCE ROBOTIC TECHNOLOGY IN NEUROLOGICAL HAND REHABILITATION (A REVIEW ARTICLE) Nadia Salajeghe, Maryam Farzad | *University of Social Welfare and Rehabilitation Sciences, Tehran, Iran*
- A-0304** DENERVATION OF THE PROXIMAL INTERPHALANGEAL JOINT, RESULTS FROM 54 CASES IN 42 PATIENTS. Lisa Servasier, Jacky Laulan, Guillaume Bacle | *Unité de chirurgie de la main et du membre supérieur, hôpital Trousseau, CHRU de Tours, Tours, France*
- A-0316** IMPROVING HAND THERAPY: APPLICATION OF A HAND THERAPY ROBOT TO INTENSIFY THERAPY Pascal Lindemann, Désirée Leppla, Beate Jung | *LIME medical GmbH, Mainz, Germany*
- A-0325** DEVELOPMENT AND EVALUATION OF A NEW SMARTPHONE APPLICATION FOR THE (PRIMARY) MANAGEMENT OF HAND EMERGENCIES: PRACTICAL, SAFE AND EFFECTIVE? Nicolas Bigorre, Adrien Linder, Jérôme Brunet, Jérôme Jeudy, Fabrice Rabarin, Bruno Cesari, Yann Saint-Cast, Guy Raimbeau, Alexandre Petit | *Centre de la Main, Angers, France*
- A-0328** IS SMITH'S FRACTURE OF DISTAL RADIUS A FRACTURE OF NECESSITY? Jin Young Kim, Ho Jun Kim | *Dongguk University Ilsan Hospital, Goyang, South Korea*
- A-0330** SYNDACTYLIES - A REVIEW OF ASSOCIATED MALFORMATIONS 1 - Miguel Matias; Pedro Pires, Catarina Ladeira, Regina Duarte; 2 - Miguel Matias, Juliana Sousa, Maria Manuel Mouzinho | 1 - *Centro Hospitalar Universitária Dona Estefânia*; 2 - *Centro Hospitalar Universitário Lisboa Central*
- A-0337** EFFICACY OF SUPERFICIAL TRANSPOSITION OF ULNAR NERVE USING FLEXOR FASCIAL SLING Jin Young Kim | *Dongguk University Ilsan Hospital*
- A-0339** IN-HOSPITAL PRODUCTION OF 3D-PRINTED DEVICES FOR HAND- AND WRIST-REHABILITATION Alissa Gübeli^{1,2}, Philipp Honigmann^{1,2,3}, Marco Keller^{1,2} | ¹*Kantonsspital Baselland, Liestal, Switzerland*; ²*Medical Additive Manufacturing research lab, Department of Biomedical Engineering, University of Basel, Basel, Switzerland*; ³*Department of Biomedical Engineering and Physics, Amsterdam UMC, University of Amsterdam, Amsterdam, The Netherlands*
- A-0346** CAPITELLUM RECONSTRUCTION WITH OSTEOCHONDRAL FLAP FROM THE DISTAL FEMUR. A CLINICAL CASE Jose M. Mendez-Lopez^{1,2}, Artiz Ortega Centol¹, Gloria Alsina Rius³, Carolina Pozo Candia² | ¹*Hand and peripheral nerve unit Hospital MC-Mutual, Barcelona*; ²*Hand and peripheral nerve unit Hospital Universitary Sagrat Cor, Barcelona*; ³*Plastic and reconstructive unit Hospital MC-Mutual Barcelona*
- A-0348** MINIMALLY INVASIVE VOLAR PLATE OSTEOSYNTHESIS (MIPO) WITH PRONATOR QUADRATUS SPARING VERSUS CONVENTIONAL VOLAR APPROACH WITH PRONATOR QUADRATUS REPAIR FOR DISTAL RADIUS FRACTURES Chul Ki Goorens¹, Niels Debaenst¹, Kjell Van Royen², Jean Goubau² | ¹*Regionaal Ziekenhuis Tienen, Tienen, Belgium*; ²*Universitair Ziekenhuis Brussel, Brussel, Belgium*
- A-0353** SCAPHOID FRACTURE WITH SL LIGAMENT INVOLVMENT: INSTABILITY OR LAXITY? ROLE OF ARTHROSCOPY AND PINNING Norman Della Rosa, Vito Duca, Daniele Tosi, Julien Teodori, Roberto Adani | *Operative Hand Surgery and Microsurgery Azienda Ospedaliera Policlinico Modena, Italy, Department of Orthopaedic Ospedale Sassuolo, Italy*

- A-0359** ZONE II FLEXOR TENDON REPAIR BY MODIFIED FDS REPAIR TECHNIQUE FOLLOWED BY PLACE AND ACTIVE HOLDING: A CASE SERIES Maryam Farzad^{1,4}, Joy MacDermid^{1,2}, Hossein Abdolrazaghi³, Fereydoun Layeghi⁴, Erfan Shafiee¹ | ¹*School of Physical Therapy, Department of Health and Rehabilitation Sciences, University of Western Ontario, Canada;* ²*Roth McFarlane Hand and Upper Limb Centre, St. Joseph's Hospital, London, Ontario, Canada;* ³*Tehran University of medical sciences, Tehran, Iran;* ⁴*University of social welfare and rehabilitation sciences, Tehran, Iran*
- A-0364** COMPLICATIONS AND PATIENT REPORTED OUTCOMES FOLLOWING TRAPEZIECTOMY WITH A WEILBY SLING: A PROSPECTIVE COHORT STUDY L Hoogendam^{1,2,3}, MJW van der Oest^{1,2,3}, GM Vermeulen³, R Feitz^{3,4}, SER Hovius^{3,4}, JM Zuidam¹, HP Slijper³, RW Selles^{1,2}, the Hand Wrist study group, RM Wouters (1,2,5) | ¹*Department of Plastic, Reconstructive and Hand Surgery, Erasmus MC, Rotterdam, The Netherlands;* ²*Department of Rehabilitation Medicine, Erasmus MC, Rotterdam, The Netherlands;* ³*Hand and Wrist Center, Xpert Clinic, the Netherlands;* ⁴*Department of Plastic, Reconstructive and Hand Surgery, Radboud MC, Nijmegen, The Netherlands;* ⁵*Center for Hand Therapy, Handtherapie Nederland, Utrecht, The Netherlands*
- A-0372** PSYCHOMETRIC PROPERTIES AND CROSS-CULTURAL ADAPTATION OF THE PATIENT-RATED TENNIS ELBOW EVALUATION (PRTEE); A SYSTEMATIC REVIEW AND META-ANALYSIS Erfan Shafiee¹; Joy C MacDermid¹; David Walton¹; Joshua Vincent²; Ruby Grewal² | ¹*School of Physical Therapy, Department of Health and Rehabilitation Sciences, University of Western Ontario, London, ON, Canada;* ²*Roth-McFarlane Hand and Upper Limb Centre, Western University, London, ON, Canada.*
- A-0374** A SYSTEMATIC REVIEW OF SELF-REPORTED OUTCOME MEASURES ASSESSING DISABILITY FOLLOWING HAND AND UPPER EXTREMITY CONDITIONS IN PERSIAN POPULATION Erfan Shafiee¹; Maryam Farzad¹; Mahdieh Karbalaee², | ¹*School of Physical Therapy, Department of Health and Rehabilitation Sciences, University of Western Ontario, London, ON, Canada;* ²*Department of Occupational Therapy, Tehran University of Medical Sciences, Tehran, Iran.*
- A-0377** NOVEL SCORING TECHNIQUES FOR THE PATIENT EVALUATION MEASURE PROM MAY DELIVER RARE INTERVAL-LEVEL MEASUREMENT IN HAND TRAUMA Conrad Harrison¹, Nick Gape², Chris Gibbons³, Ryan Trickett², Jeremy Rodrigues^{1,4} | ¹*University of Oxford, UK;* ²*Cardiff and Vale University Health Board, UK;* ³*MD Anderson, USA;* ⁴*Buckinghamshire Healthcare NHS Trust, UK*
- A-0386** COULD AN UNRESOLVED PERSONAL INJURY CLAIM AFFECT OUTCOMES OF HAND THERAPY AND HAND SURGERY? L Hoogendam^{1,2,3}, MJW van der Oest^{1,2,3}, JS Souer³, SER Hovius³, the Hand Wrist study group, R Feitz^{3,4} | ¹*Department of Plastic, Reconstructive and Hand Surgery, Erasmus MC, Rotterdam, The Netherlands;* ²*Department of Rehabilitation Medicine, Erasmus MC, Rotterdam, The Netherlands;* ³*Hand and Wrist Center, Xpert Clinic, the Netherlands;* ⁴*Radboud university medical center, Radboud Institute for Health Sciences, Department of Plastic, Reconstructive and Hand Surgery, Nijmegen, The Netherlands*
- A-0393** LONG-TERM IMPACT OF TRAPEZIECTOMY ON THE WRIST JOINT: BLINDED ASSESSMENT OF RADIOLOGICAL OSTEOARTHRITIS IN OPERATED AND NON-OPERATED WRISTS Elisabeth Brogren^{1,2}, Jack Besjakov³, Isam Atroshi^{4,5} | ¹*Department of Hand Surgery, Skåne University Hospital, Malmö;* ²*Department Translational Medicine, Lund University, Lund, Sweden;* ³*Department of Radiology, Skåne University Hospital, Malmö, Sweden;* ⁴*Department of Clinical Sciences - Orthopedics, Lund University, Lund;* ⁵*Department of Orthopedics, Hässleholm-Kristianstad Hospitals, Kristianstad, Sweden*
- A-0395** INDIRECT UTILITY ASSESSMENT FOR HAND CONDITIONS: MAPPING THE PATIENT EVALUATION MEASURE ONTO THE EQ-5D Luke Geoghegan¹, Conrad J Harrison², Jeremy N Rodrigues^{2,3} | ¹*Section of Vascular Surgery, Division of Surgery and Cancer, Imperial College London. London, UK;* ²*Nuffield Department of Orthopaedics, Rheumatology and Musculoskeletal Sciences, University of Oxford. Oxford, UK;* ³*Department of Plastic, Reconstructive and Hand Surgery. Stoke Mandeville Hospital. Aylesbury, UK*

- A-0396** TREATMENT OF FRACTURE DISLOCATION OF THE PROXIMAL INTERPHALANGEAL JOINT OF THE HAND WITH DYNAMIC EXTERNAL FIXATOR Cindy Bouvet¹, Jean-Yves Beaulieu¹, Kun Liu², Jan Van Aaken¹ | ¹*Hand Unit, Orthopaedic department, Geneva University Hospital, Rue Gabrielle-Perret Gentil 4, 1211 Geneva, Switzerland;* ²*Department of hand surgery, Beijing Jishuitan Hospital, 4th medical college of Peking University, 31 Xijiekou East Street, 100035, Beijing, China*
- A-0408** WRIST ARTHRODESIS TO IMPROVE HAND POSITION AND FUNCTION IN PATIENTS WITH UPPER LIMB SPASTICITY – A POINT OF TECHNIQUE Soha Sajid, Ben Chatterton, Simon Pickard | *Robert Jones and Agnes Hunt Orthopaedic Hospital, Oswestry, SY10 7AG*
- A-0410** IS THERE A DIFFERENCE IN THE OUTCOME OF CMC I RESECTION AND TREATMENT WITH PROSTHESIS AFTER 12 MONTHS? Christian M Windhofer^{1,2}, Josef Schauer¹, Christoph Hirnsperger¹, Johann Neureiter¹ | ¹*Trauma Department, AUVA Unfallkrankenhaus Salzburg, Austria;* ²*Ludwig-Boltzmann-Institute for experimental and clinical traumatology, Vienna, Austria*
- A-0411** MANAGEMENT OF UPPER EXTREMITY INJURIES DURING COVID-19 Gordana Georgieva, Bisera Nikolovska, Blagoja Srbov, Tomislav Jovanoski, Igor Peev, Sofija Pejкова | *University Clinic for Plastic and reconstructive surgery - Skopje, North Macedonia*
- A-0423** COMBINED EFFECT OF SURGICAL ANGIOGENESIS AND STEM CELL SEEDING OF ACELLULAR NERVE ALLOGRAFTS ON RETURN OF MOTOR FUNCTION IN A RAT SCIATIC NERVE DEFECT MODEL Meiwand Bedar, Tiam M. Saffari, Patricia F. Friedrich, Allen T. Bishop, Alexander Y. Shin | *Department of Orthopedic Surgery, Division of Microvascular and Hand Surgery, Mayo Clinic, Rochester, MN, USA*
- A-0433** TRAPEZIECTOMY FOR TRAPEZIOMETACARPAL OSTEOARTHRITIS: SYSTEMATIC REVIEW OF OUTCOMES AND COMPLICATIONS AT MINIMUM 5-YEAR FOLLOW-UP Grégoire Chick^{1,2}, Marc Saab³ | ¹*Latour Hospital, Geneva, Switzerland;* ²*Weil Cornell University, NY, US;* ³*Lille University hospital, France*
- A-0438** RECONSTRUCTION OF SEGMENTAL LARGE FOREARM DEFECTS WITH FREE VASCULARIZED FIBULAR GRAFT. CLINICAL RESULTS. Maria Ladogianni, Panagiotis Kanellos, Ioannis Kotsalis, Saradis Spyridonos | *Hand microsurgery and upper limb department, General hospital KAT, Athens, Greece*
- A-0444** OUTCOME OF MULTI-FRAGMENTARY HEAD AND NECK FRACTURES OF INDEX AND MIDDLE FINGER METACARPALS Michelle Spiteri | *John Radcliffe Hospital, Oxford, United Kingdom*
- A-0449** COMPLICATIONS IN FLEXOR TENDON INJURIES IN ZONES I TO III: A RETROSPECTIVE CASE SERIES ANALYSIS Tamara Hauri¹, Bernadette Tobler-Ammann¹, Maurizio Calcagni², Vera Beckmann-Fries², Alexandre Kämpfen³, Sebastian Hediger³, Lorena Schrepfer³, Esther Vögelin¹ | ¹*Inselspital, University Hospital Bern, Department of Plastic and Hand Surgery, Bern, Switzerland;* ²*University Hospital Zurich, Department of Plastic and Hand Surgery, Zurich, Switzerland;* ³*University Hospital Basel, Clinic for Plastic, Reconstructive, Aesthetic and Hand Surgery, Basel, Switzerland*
- A-0451** HAMATOMETACARPAL FRACTURE-DISLOCATION: DOES DELAYED TREATMENT YIELD POOR RESULTS? A RETROSPECTIVE STUDY Carla Nunes, João Silva, Hugo Ribeiro, Pedro Fernandes, Raquel Teixeira | *Hospital de São Francisco Xavier, Lisbon, Portugal*
- A-0457** RAPID IMPLEMENTATION OF VIRTUAL CONSULTATIONS DURING THE COVID-19 PANDEMIC: AN INTERNATIONAL SURVEY OF HAND SURGEONS AND THERAPISTS AND IMPLICATIONS FOR FUTURE PRACTICE Alexander Scarborough¹, Luke Geoghegan², Zaf Naqui³, Maxim D Horwitz⁴ | ¹*Department of Cardiothoracic Surgery, Kings College Hospital, London, UK;* ²*Section of Vascular Surgery, Department of Surgery and Cancer, Imperial College London, London, UK;* ³*Salford Royal Hospital, Salford, UK;* ⁴*Department of Hand Surgery, Chelsea and Westminster Hospital, London, UK*
- A-0461** OUR INITIAL EXPERIENCE OF NOVOSORB BIODEGRADABLE TEMPORISING MATRIX FOR RECONSTRUCTION OF COMPLEX SOFT TISSUE DEFECTS IN THE HAND R. N Manton, I. Roy, S. Eriksson, P. Goon | *Lister Hospital, East and North Hertfordshire NHS Trust, Stevenage, United Kingdom*

- A-0462** RESTORATION OF SHOULDER FLEXION/ELEVATION WITH FREE FUNCTIONAL GRACILIS TRANSFER FOR PARTIAL PARALYSIS OF DELTOID MUSCLE AFTER PROXIMAL HUMERUS FRACTURE FIXATION: A CASE SERIES OF EIGHT PATIENTS. Oskar C. Aszmann, Clemens Gstöttner, Petra Gettinger, Olga Politikou, Stefan Salminger | *Department of Plastic and Reconstructive Surgery, Medical University of Vienna, AUSTRIA*
- A-0468** THE TREATMENT RESULTS OF DISTAL RADIUS FRACTURES TREATED WITH AN IMPLANT OF OWN IDEA, DRONES HYBRID NAIL PLATE - PRELIMINARY REPORT Maciej Piotrowski | *Department of Orthopaedics and Traumatology Medical University of Gdansk*
- A-0471** THE EFFECT OF NERVE SURGERY ON OPIOID AND MEDICATION USE IN PATIENTS WITH CHRONIC PAIN DUE TO NERVE INJURIES Ivica Ducic¹, John M Felder² | ¹*Washington Nerve Institute, McLean, VA, USA;* ²*Washington University, St Louis, USA*
- A-0472** OUTCOME OF DISTAL INTERPHALANGEAL JOINT ARTHRODESIS Horst Zajonc, Alexander Runkel, Bastian Bonaventura, Laura Schneider, G Bjoern Stark | *Clinic of Plastic and Hand Surgery, University clinic of Freiburg*
- A-0473** OPTIMIZATION OF HAND TRAUMA CARE AT A MAJOR TRAUMA CENTRE (MTC) IN THE UK DURING THE COVID-19 PANDEMIC AND IMPLICATIONS FOR FUTURE CLINICAL PRACTICE Apoorva Khajuria¹, Sunil Parthiban¹, Pradeep Janardhanan², Matthew Jones² | ¹*University Hospitals Birmingham;* ²*University Hospitals Coventry & Warwickshire*
- A-0475** IMPROVING PATIENT OUTCOMES BY MINIMALLY INVASIVE SURGICAL TECHNIQUES Iulian- Daniel Vilcioiu¹, Andrei Popa², Dragos Zamfirescu¹, Claudiu Jaba¹, Adriana Serban¹, Marius Niculescu² | ¹*Zetta Clinic, RO* ²*Colentina Hospital, RO*
- A-0476** GEISSLER CLASSIFICATION: POOR INTEROBSERVER VARIABILITY AND NOT THE MOST IMPORTANT TOOL TO RECOMMEND SURGERY Daniel Bakker, Joost Kortlever, Gerald Kraan, Joost Colaris, Nina Mathijssen, David Ring | ¹*Reinier de Graaf Gasthuis, Delft, the Netherlands;* ²*Erasmus MC, Rotterdam, the Netherlands;* ³*University of Texas in Austin, USA*
- A-0478** LOST FINGERS: THE DECLINING NUMBER OF REPLANTATIONS IN GERMANY Haydar Kükrek¹, Philipp Moog¹, Nedeoglo Ekaterina¹, Stefanie Wiescholke², Kai Megerle², | ¹*Division of Hand Surgery, Klinikum rechts der Isar, Technical University of Munich, Munich, Germany;* ²*Center for Hand Surgery and Microsurgery, Schön Klinik, Munich*
- A-0484** MANAGEMENT OF POST-AXIAL TYPE B POLYDACTYLY DURING COVID-19 Lisa Ng¹, Brid Crowley¹ | ¹*Department of Plastic and Reconstructive Surgery, Royal Victoria Infirmary, Newcastle upon Tyne Hospitals NHS Foundation Trust, Newcastle upon Tyne, United Kingdom*
- A-0485** PERCUTANEOUS ARTHROLYSIS AS A THERAPEUTIC ALTERNATIVE TO PROXIMAL INTERPHALANGEAL STIFFNESS IN FINGERS Marta Marti-Puente, Anna Escolà-Benet, Gian Carlo Fallone-Lapi, Marc Valls-Mellado, Joaquim Rodriguez-Miralles | *Hospital Universitari General de Catalunya. Sant Cugat del Valles. Spain*
- A-0492** A BAYESIAN APPROACH FOR DIAGNOSTIC ACCURACY OF MALIGNANT PERIPHERAL NERVE SHEATH TUMORS: A SYSTEMATIC REVIEW AND META-ANALYSIS Enrico Martin^{1,2}, Ritchie T.J. Geitenbeek^{1,2}, J. Henk Coert¹, David F. Hanff², Laura H. Graven², Dirk J. Grünhagen², Cornelis Verhoeff², Walter Taa² | ¹*University Medical Center Utrecht, The Netherlands;* ²*Erasmus Medical Center Rotterdam, The Netherlands*
- A-0493** INFRARED THERMOGRAPHY'S APPLICATIONS IN HAND SURGERY Manuel Vilela¹, Eduarda Mota-Silva², Anna Poplavská², Inês Iria², Valentina Vassilenko², Diogo Casal^{1,2}, Maria Manuel Mouzinho¹ | ¹*Plastic, Reconstructive and Aesthetic Surgery Department and Burn Unit, Centro Hospitalar Universitário Lisboa Central;* ²*NOVA Medical School, Faculdade de Ciências Médicas de Lisboa*
- A-0498** RAY RECONSTRUCTION USING AUTOLOGOUS BONE GRAFT AND SILICONE IMPLANT AFTER TRAUMATIC MASSIVE BONE LOSS OF P1 OR P2. Ida Ponzo, Vincent Mazzone | *Fondazione Policlinico Universitario A. Gemelli IRCCS, Istituto di Ortopedia e Traumatologia, U.O.C. Ortopedia e Chirurgia della mano, Università Cattolica del Sacro Cuore, Roma*

- A-0514** ADAPTING TO THE COVID-19 PANDEMIC IN A MAJOR UK HAND UNIT – REDESIGNING A TRAUMA SERVICE AND EXTENDING WALANT SURGERY Cameron Clarke, Mohamed Abdelrazek, Michael Gallagher, Ricardo Tejero, Lauren Uppal | *Guy's and St Thomas' NHS Foundation Trust*
- A-0521** NERVE TRANSFERS IN UPPER MOTOR NEURON SYNDROME: TOPOGRAPHIC ANATOMY. Olga Politikou¹, Leopold Harnoncourt¹, Fabian Fritsch¹, Matthias Luft¹, Vlad Tereschenko¹, Christopher Festin¹, Lena Hirtler², Oskar C. Aszmann¹ | ¹*Clinical Laboratory for Bionic Extremity Reconstruction, Medical University of Vienna, Austria;* ²*Center for Anatomy and Cell Biology, Medical University of Vienna, Austria*
- A-0534** FACTORS AFFECTING THE FINAL OUTCOMES AFTER RECONSTRUCTION OF THE MEDIAN AND ULNAR NERVE AT THE LEVEL OF THE FOREARM: ANALYSIS OF 41 PATIENTS. Piotr Czarnecki, Michał Górecki, Leszek Romanowski | *Department of Traumatology, Orthopaedics and Hand Surgery, Poznań University of Medical Sciences*
- A-0536** OUTCOMES OF THORACIC OUTLET DECOMPRESSIONS – A 10-YEAR REVIEW IN A SINGLE CENTRE Jing SS, Yasmeen S, O'Sullivan J, Chaudhry T, Madura T, Power D, Tan S | *Queen Elizabeth Hospital, Mindelsohn Way, Birmingham, UK, B15 2TH*
- A-0537** DORSAL PLATING AND AUTOLOGOUS BONE GRAFT FOR VOLAR UNSTABLE FRACTURE-DISLOCATION OF THE PIP JOINT Jing SS, Tan S, Yasmeen S | *Queen Elizabeth Hospital, Mindelsohn Way, Birmingham, UK, B15 2TH*
- A-0545** THE SIGNIFICANCE OF THE BACTERIAL AGENT IN PYOGENIC FLEXOR TENOSYNOVITIS – A RETROSPECTIVE CASE STUDY OF 102 PATIENTS Antonella Mazreku¹, Martin Byström^{1,2}, Joakim Strömberg^{1,3} | ¹*Gothenburg University, Sahlgrenska Academy, Institute for clinical sciences, Gothenburg, Sweden;* ²*Department of Hand Surgery, Sahlgrenska University Hospital, Gothenburg, Sweden;* ³*Department of Surgery and Orthopaedics, Alingsås Lasarett, Alingsås, Sweden*
- A-0546** THE BIOMECHANICAL STRENGTH OF THE SIDE-TO-SIDE LENGTHENING TENODESIS IN SPASTICITY SURGERY Joakim Strömberg^{1,2}, Johan Berg^{1,3}, Carina Reinholdt^{1,3} | ¹*University of Gothenburg, Sahlgrenska Academy, Department of Clinical Sciences, Gothenburg, Sweden;* ²*Department of Surgery and Orthopaedics, Alingsås Lasarett, Alingsås, Sweden;* ³*Centre for Advanced Reconstruction of Extremities, Sahlgrenska University Hospital, Mölndal, Sweden*
- A-0562** WHICH TENDON PLASTY HAS THE BEST OUTCOME? A COMPARISON OF FOUR TENDON PLASTY TECHNIQUES IN A LARGE COHORT OF PATIENTS WITH SYMPTOMATIC TRAPEZIOMETACARPAL OSTEOARTHRITIS. Lisa Hoogendam^{1,2,3}, Thijs Bink¹, Jurriaan de Lange¹, Ruud W. Selles^{1,2}, Joost W. Colaris⁴, J. Michiel Zuidam¹, Steven E.R. Hovius^{3,5}, Hand-Wrist Study Group, Brigitte van der Heijden^{5,6} | ¹*Department of Plastic and Reconstructive Surgery and Hand Surgery, Erasmus MC, Rotterdam, the Netherlands;* ²*Department of Rehabilitation Medicine, Erasmus MC, Rotterdam, the Netherlands;* ³*Hand and Wrist Centre, Xpert Clinics, the Netherlands;* ⁴*Department of Orthopaedic Surgery, Erasmus MC, Rotterdam, The Netherlands;* ⁵*Department of Plastic and Reconstructive Surgery, Radboudumc University Hospital, Nijmegen, the Netherlands;* ⁶*Department of Plastic and Reconstructive Surgery, Jeroen Bosch Ziekenhuis, 's-Hertogenbosch, Netherlands*
- A-0564** COMPARISON OF OUTCOMES BETWEEN ABSORBABLE VERSUS NON-ABSORBABLE SUTURES FOR SKIN CLOSURE IN PATIENTS UNDERGOING TRIGGER FINGER RELEASE Angelo Ostrea¹, David Alagar¹ | *St. Luke's Medical Center - Quezon City, Philippines*
- A-0565** FOREARM ROTATION IMPROVES AFTER A CORRECTIVE OSTEOTOMY IN PATIENTS WITH A SYMPTOMATIC DISTAL RADIUS MALUNION E.M. van Es¹, M. Dijkhof¹, J.S. Souer², F.J. van Ewijk³, L. Hoogendam⁴, H.P. Slijper², R.W. Selles^{4,5}, Hand-Wrist Study Group, J.W. Colaris¹ | ¹*Department of Orthopedic Surgery, Erasmus University Medical Centre, Rotterdam, The Netherlands;* ²*Hand and Wrist Center, Xpert Clinic, Amsterdam, The Netherlands;* ³*Center for Hand Therapy, Handtherapie Nederland, Utrecht, The Netherlands;* ⁴*Department of Plastic, Reconstructive and Hand Surgery, Erasmus University Medical Centre, Rotterdam, The Netherlands;* ⁵*Department of Rehabilitation Medicine, Erasmus University Medical Centre, Rotterdam, The Netherlands*

- A-0573** DESCRIPTION AND EVALUATION OF THE REPRODUCIBILITY OF TWO NEW MONITORING INDEXES FOR BALL & SOCKET TYPE TRAPEZIO-METACARPAL PROSTHESES Axel VAN VLIET¹, Benjamin HADDAD², Simon RATTIER³, Samuel ZRIBI⁴, Emmanuel DAVID⁵ | *CHU Amiens Picardie, France*
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- A-0595** THE TREATMENT OF DUPUYTREN'S DISEASE IN A SPECIALIZED DEPARTMENT Kondrashova I.¹, Naumenko L.², Daragan R.¹ | ¹*«City Clinical Hospital №16»;* ²*State Institution «Dnipropetrovsk Medical Academy of the Ministry of Health of Ukraine» Dnipro, Ukraine*
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- A-0610** FACTORS ASSOCIATE WITH DISABILITY AND PAIN INTENSITY IN PATIENTS WITH CRPS Maryam Farzad^{1,2}, Joy Macdermid^{2,5}, Tara Packham³, Amirreza farhoud⁴, Erfan Shafiee², Mohsen Vahedi¹, Behzad Khodabandeh¹ | ¹*University of social welfare and rehabilitation sciences, Tehran, Iran;* ²*School of Physical Therapy, Department of Health and Rehabilitation Sciences, University of Western Ontario, Canada;* ³*McMaster University, Hamilton, Canada;* ⁴*Tehran University of medical sciences, Tehran, Iran;* ⁵*Roth McFarlane Hand and Upper Limb Centre, St. Joseph's Hospital, London, Ontario, Canada*

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- A-0624** EPIDEMIOLOGY OF UPPER EXTREMITY NERVE INJURIES IN FINLAND BETWEEN 1998 TO 2016. Kirsi Wiman^{1,2}, Sina Hulkkonen², Jouko Miettunen^{3,4}, Juha Auvinen^{3,4}, Jaro Karppinen^{4,5}, Jorma Ryhänen² | ¹*Department of Surgery, Lapland Central Hospital, Rovaniemi, Finland;* ²*Department of Hand Surgery, Helsinki University Hospital and University of Helsinki, Helsinki, Finland;* ³*Center for Life Course Health Research, University of Oulu, Oulu, Finland;* ⁴*Medical Research Center Oulu, Oulu University Hospital and University of Oulu, Oulu, Finland;* ⁵*Finnish Institute of Occupational Health, Oulu, Finland*
- A-0626** MORPHOLOGICAL RISK FACTORS FOR SCAPHOID FRACTURE AFTER FALL ONTO OUTSTRETCHED HAND Abigael Cohen¹, Thomas Claessen², Corne van den Berg¹, Michiel Siebelt³, Gerald A Kraan⁴, Johannes H Waarsing¹, Max Reijman¹, Joost W Colaris¹ | ¹*Erasmus MC, Rotterdam, the Netherlands;* ²*Dijklander Ziekenhuis, Hoorn, the Netherlands;* ³*St. Anna Ziekenhuis, Geldrop, the Netherlands;* ⁴*Reinier de Graaf Gasthuis, Delft, the Netherlands*
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- A-0630** WRIST TRAUMA SEQUELAE: A DISCURSIVE LITERATURE REVIEW Simona Odella, Francesco Locatelli, Alessandra Fin, Jacopo Flore, Elia Creta, Alessandro Crosio, Pierluigi Tos | *Asst Pini CTO Milano, Italy, Complex Operative Unit Hand Surgery and Reconstructive Microsurgery*
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- A-0642** EFFECTS OF TRUNK COMPENSATORY MOVEMENTS ON MODIFIED MALLETT SCORE IN CHILDREN WITH OBSTETRIC BRACHIAL PLEXUS PALSY Esra Merve Çakıryılmaz¹, Tüzün Fırat¹ | ¹*Faculty of Physical Therapy and Rehabilitation, Hacettepe University, Ankara, Turkey*

- A-0643** THE RECONSTRUCTION OF THE THUMB NAILBED IN MALIGNANT SKIN TUMORS, USING A DORSULNAR FLAP. Esin Rothenfluh¹, Marco Guidi¹, Florian Früh¹, Maurizio Calcagni¹ | ¹*Dept. Plastic Surgery and Hand Surgery, University Hospital Zurich, University of Zurich, Switzerland*
- A-0645** SURGICAL TREATMENT OF NEUROMA IN THE UPPER EXTREMITY – PATIENT CHARACTERISTICS, OUTCOME OF SURGERY AND ASSOCIATION WITH SLEEP ABILITY, AND LIMITATIONS TO PERFORM WORK AND DAILY ACTIVITIES Erika Nyman^{1,2}, Emma Dahlin³, Hanna Gudinge³, Lars B. Dahlin^{1,4,5} | ¹*Department of Biomedical and Clinical Sciences, Linköping University, Linköping, Sweden;* ²*Department of Hand Surgery, Plastic Surgery and Burns, Department of Biomedical and Clinical Sciences, Linköping University Hospital, Linköping, Sweden;* ³*Sahlgrenska Academy at University of Gothenburg, Göteborg, Sweden;* ⁴*Department of Hand Surgery, Skåne University Hospital, Malmö, Sweden;* ⁵*Department of Translational Medicine – Hand Surgery, Lund University, Malmö, Sweden*
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- A-0653** CLINICAL OUTCOMES OF LUNOCAPITATE ARTHRODESIS: A RETROSPECTIVE STUDY Justin Mirza¹, Ather Mirza¹, John Lubahn², Zachary Dusckas², Luke Zappia¹, Terence Thomas¹ | ¹*Mirza Orthopedics, Smithtown, NY, USA;* ²*UMPC Hamot, Erie, PA, USA*
- A-0655** ULNAR SIDED WRIST PAIN: A DIAGNOSTIC EVALUATION GUIDE FROM 30+ YEARS OF EXPERIENCE Justin Mirza, Ather Mirza, Luke Zappia | *Mirza Orthopedics, Smithtown, NY, USA*
- A-0662** THUMB HEIGHT MEASUREMENT FOR (IMPLANT) ARTHROPLASTIES FOR CMC THUMB JOINT OSTEOARTHRITIS Cecile MCA van Laarhoven; Janna SE Ottenhoff; Erik Heeg; Mark van Heijl; Brigitte EPA van der Heijden | *Department of Plastic, Reconstructive and Hand Surgery, Erasmus Medical Center Rotterdam, the Netherlands;* *Department of Plastic, Reconstructive and Hand Surgery, University Medical Center Utrecht, the Netherlands;* *Plastic Surgery Department, Jeroen Bosch Hospital, Den Bosch, the Netherlands;* *Plastic Surgery Department, Radboud Medical Center, Nijmegen, the Netherlands*
- A-0664** ARTHROSCOPIC REPAIR OF THE ULNAR COLLATERAL LIGAMENT OF THE THUMB: OUR EXPERIENCE Martin Caloia, Sergio Ronconi, Hugo Caloia, Diego González Scotti, German Barrozo, Gerónimo Chamorro, Alejandro Meritano, Gonzalo Guevara | *Orthopaedic Department, Upper Extremity & Hand Surgery section. Austral University Hospital, Pilar, Buenos Aires, Argentina*
- A-0669** THUMB RESTORING USING A MONOLITHIC METACARPAL ANCHORED TITANIUM 3D PRINTED PROSTHESIS Leopoldo Caruso¹, Monica Ciminello¹, Mauro Fusco¹, Ida Ponso² | ¹*Ospedale dei Pellegrini, Unità operativa di Chirurgia della mano e dei Nervi periferici, Napoli, Italy;* ²*Fondazione Policlinico Universitario A. Gemelli IRCCS, Istituto di Ortopedia e Traumatologia, U.O.C. Ortopedia e Chirurgia della mano, Università Cattolica del Sacro Cuore, Roma, Italy*

- A-0672** CLOSED HAND FRACTURES MANAGEMENT: TERTIARY TRAUMA CENTRE EXPERIENCE Amir Ghareib, Sylwia Oniska, Peter Macnael, Jamil Moledina | *St. George's University Hospitals, London*
- A-0693** THE IMPACT OF COVID-19 PANDEMIC IN THE NATURE OF HAND TRAUMA Rita Meireles¹, Gil Ribeiro², Ricardo Varela³, Alexandre Marques², Susana Pinheiro¹ | ¹*Plastic Surgery and Burns Department, Coimbra University Hospitals; (CHUC), Portugal;* ²*Orthopaedics Department, Coimbra University Hospitals; (CHUC), Portugal;* ³*Neurology Department, Porto Hospital and University Centre; (CHUP), Portugal*
- A-0695** REVERSE HOMODIGITAL FLAPS FOR THUMB AND FINGERS SOFT TISSUE DEFECTS RECONSTRUCTION T Y Sukhinin, A I Shakirov, G F Gubaidullina, G A Nazaryan | *Hand Microsurgery Center, Clinical Hospital No. 20 named after A.K. Eramishantseva, Moscow, Russia*
- A-0652** LIGAMENT, NERVE AND DCSS SPARING DORSAL CAPSULOTOMY OF THE WRIST Ahmed Naeem Atiyya¹, Amr Nabil², Hasan Abd ElHamid³, Mohammed Abbas⁴ | *Orthopaedic Department Faculty of medicine Ain Shams University, Cairo, Egypt*

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Speakers : Dr Jacques TEISSIER, Dr Adriano TOFFOLI and Dr Benjamin DEGEORGE

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<http://fessh.com/basic-research-grant/>

The grant aims to encourage **exploratory, translational or developmental research** by providing support for the **early and conceptual stages** of new clinical approaches. Therefore, this grant is directed towards **basic and translational science and novel ideas/techniques** in hand surgery, rather than studies on clinical series of patients.

Award: €10.000

Application deadline: 31 October 2021



FESSH Clinical Research Grant

<http://fessh.com/clinical-research-grant/>

The grant aims to encourage **clinical research projects** in the field of hand surgery. All clinical projects that are directed towards outcomes or assessment of treatment modalities in hand surgery related topics are welcome to apply. Well-designed prospective trials will be promoted.

Award: €10.000

Application deadline: 1 December 2021

What does FESSH offer to European Hand Surgeons?

2. TRAVEL AWARD FOR 2022 – 4000€

One of the aims of FESSH is to stimulate, assist and foster training in Hand Surgery for all surgeons both young and established, who are members of the national societies represented by FESSH. FESSH awards up to a total of 40'000 Euros, with a maximum of 4'000 Euro per applicant.

For more information go to <http://fessh.com/travel-award-application/>



3. EBHS EXAMINATION IN 2022

FESSH holds its 24th European Board of Hand Surgery Diploma Examination rounds in March (written part) and in June 2022 (oral part). The dates will be decided soon and announced on the FESSH webpage.

Any surgeon whose National Hand Society is member of FESSH or IFSSH and who is interested in sitting this examination should make an online registration to apply for the examination.

For further information please go to <http://fessh.com/examination-committee/>

To apply for the 2022 EBHS Exam please go to <http://fessh.com/examination-committee/examination-2022/>

Please prepare your documentation and upload the necessary information before 30 November 2021.

What does FESSH offer to European Hand Surgeons?

4. FESSH ONLINE SELF-ASSESSMENT

In order to enable participants to prepare for the EBHS Exam as best as possible and to allow checking their own state of knowledge, the Examination Committee of FESSH has launched an Online Self-Assessment Examination that consists of 60 original exam questions. These examination questions also correspond to original exams in the distribution to the various subject areas.

For more info go to <http://fessh.com/online-self-assessment-examination/>



5. EUROPEAN HAND TRAUMA CENTRES NETWORK

The goal of the FESSH Hand Trauma Committee is to improve standards of care for Emergency Hand Trauma in Europe. FESSH encourages the participation and collaboration of all countries and calls the hand trauma centres to join a European Emergency Network of Hand Trauma and Replantation Centres.

For more information go to <http://fessh.com/hand-trauma-committee/>



What does FESSH offer to European Hand Surgeons?

6. FESSH OFFERS PATRONAGE FOR HAND SURGERY EVENTS OF HIGH QUALITY

For more information go to <http://fessh.com/patronage/>



7. YOUNG EUROPEAN HAND SURGEONS – YEHS

Goal of YEHS is to facilitate networking between young hand surgeons across Europe and to help FESSH to improve hand surgery training in Europe, to enable knowledge transfer between surgeons and institutions (e.g. travelling fellowships etc.), to promote research opportunities and to install training courses etc. They are also here to represent the interests of trainees in hand surgery in Europe.

Find out more about YEHS at yehs.eu



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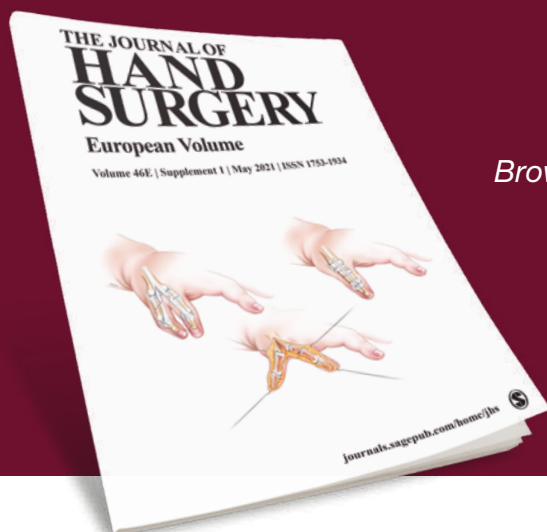
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Tetraplegia and Spasticity
Hand Surgery where resources are scant

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CONTACT

Website: <https://www.ifssh-ifsht2022.co.uk/>

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FESSH 2023 CONGRESS

17-20 May 2023

Rimini, Italy

Contact: office@fessh.com



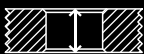
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