

## **CV - Jorma Ryhänen, Käsikirurgian ylilääkäri ja dosentti**

### **Head of Hand Surgery, Helsinki University Central Hospital**

HUS Tukielin- ja plastiikkakirurgia

Etelä-Suomen yhteistyöalue

Suomi

1 tammik. 2017 → present

### **Person in Charge of Hand Surgery Teaching Program**

#### **Qualifications**

- Licentiate in Medicine (MD, University of Oulu 1989),
- Licenced Physician (1992)
- Doctor of Medical Sciences (Dr.Med., Ph.D., 1999) (Doctoral Thesis: The biocompatibility evaluation of Nickel-titanium shape memory metal alloy),
- Specialist in Surgery (1998)
- Specialist in Hand surgery (2000),
- Adjunct Professor (Docent) of Hand Surgery (University of Oulu 2003)
- Adjunct Professor (Docent) of Biomaterial Engineering (Institute of Biomaterials, Tampere University of Technology 2004)

#### **Major positions in scientific societies**

- Federation of Societies for Surgery of the Hand, FESSH (Delegate 2018-)
- Scandinavian Society for Surgery of the Hand, SSSH (Board member 2016-20)
- Finnish Society for Surgery of the Hand (member 1997-, board member 2000-2006, Chair 2007-2009)
- Finnish Surgical Society (board member 2006-2009)

#### **Research awards, honours and major grants and scholarships**

- The Finnish Funding Agency for Technology and Innovation (TEKES), Biomaterials in surgery project 2000-2007
- The International Dupuytren Award 2011

#### **Supervised doctoral dissertations and other academic theses**

- MD Sauli Kujala, (2003) Biocompatibility and biomechanical aspects of Nitinol shape memory metal implants
- MD Teemu Karjalainen, (2012) Nitinol shape memory alloy in flexor tendon repair
- MD Minna Forsman, Genetics of Dupuytren Contracture (2016)
- MD Sina Hulkkonen, (2019) Incidence and risk factors of carpal tunnel syndrome and ulnar and radial entrapment neuropathies in the Finnish population.
- 10 ongoing supervisions for doctoral dissertations (K Lampainen, K Wiman, L Miettinen, T Anttila, A Butzow, M Alanen, L Raudasoja, L Laivuori, O Välimäki and A Hannula)

#### **Opponent of doctoral thesis**

- MD Mikko Kirjavainen, Long-term Results of Obstetric Brachial Plexus Surgery, 2010
- MD Tero Kotkansalo, Post-traumatic Grip Reconstruction with Toe Transfers, 2014
- MD Lasse Linnanmäki, The biomechanical properties of flexor tendon 2019
- MD Timo Viljakka, Treatment of Lunatum Malacia, (to come 10/2020)
- Supervisor of several undergraduate and postgraduate students in Universities of Oulu and Kuopio
- Supervisor of biomaterials graduate school

#### **Duties as scientific expert**

- Permanent Medical Expert of Hand Surgery, National Supervisory Authority for Welfare and Health
- Permanent Medical Expert of Hand Surgery, The Finnish Patient Insurance Centre
- Exit Examiner of Hand Surgery, National University of Singapore, 2010

#### **Activity in scientific medical journals**

- Guest editor in Journal of Clinical medicine Special Issue, 2022
- Guest editor and Editorial advisory board, Scandinavian Journal of Surgery

- Referee in several journals (JCM, Hand, J Orthop Res, Biomaterials, Duodecim etc.)

## **Organising or Scientific Committee Member:**

- President (to come), FESSH 2025 in Finland
- Organizing committee FESSH 2023, Italy
- Scientific committee APFSSH 2023, Singapore
- Faculty, AO master course of hand surgery, Tromsø, Norway, 9.-10.2.2020
- Organizing Committee, Scandinavian Society for Surgery of the Hand (SSSH2019), 2019, Tallin, Estonia
- Scientific reviewer, IFSSH & FESSH 2019 meeting, Berlin, Germany
- Faculty, AO master course of hand surgery, Tromsø, Norway, 9.-10.2.2017
- President, Scandinavian Society for Surgery of the Hand (SSSH) biannual meeting, 2016, Levi, Finland
- Organizing and scientific committee, World Society for Reconstructive Microsurgery (WSRM), 29.6.-2.7.2011
- Scientific faculty, The Nordic Orthopaedic Federation (NOF), Tromsø, Norway, 25-27.8. 2010
- President, International Upper Extremity Arthroscopy Course – Oulu 2012, Finnish Society for Surgery of the Hand, Oulu 19-20.2012
- Organizing Committee, Scandinavian Society for Surgery of the Hand (SSSH2008), 2008, Helsinki, Finland
- Organizing Committee, Instructional Course in Rheumatoid Hand Surgery, 2002, Organized by The Finnish Rheumaorthopaedic Society Under the Patronage of European Rheumatoid Arthritis Surgical Society, ERASS
- Scientific Committee, 2nd International Symposium on Advanced Biomaterials (ISAB), 2000, Montreal, Canada
- International Advisory Committee, International Conference on Shape Memory and Superelastic Technologies and Shape Memory Materials, California USA, 2003
- Scientific Committee, 3rd International Symposium on Advanced Biomaterials (ISAB), 2005, Montreal, Canada
- Scientific Faculty, 3rd European Symposium of Vascular Biomaterials, ESVB, 2005, Strasbourg, France

## **International invited lecturer (inter alia)**

- Pathogenesis of Dupuytren disease. SSSH 2019, Tallin, Estonia 2019.
- Wrist arthroscopy. The golden standard and When is S-L salvage indicated and how do I do it? The Nordic Orthopaedic Federation (NOF), Tromsø, Norge, 2010
- Entrapment of brachial motor branch of musculocutaneous nerve. 11th IFSSH (International Federation for Societies for Surgery of the Hand) Congress, Seoul, South Korea, 2010
- The biocompatibility of NiTi, First European conference on Shape memory and Superelastic technologies, Antwerp, Belgium, 1999
- Biocompatibility of Nitinol, Third International Conference on Shape memory and Superelastic Technologies: Engineering and Biomedical Applications, Pacific Grove, CA, USA, 2000
- Biocompatibility and corrosion behaviour of Nitinol, SMIT& CARS -conference (Society for medical innovation and technology & Computer Aided Robotic Surgery), Berlin, Germany, 2001
- Bioperformance of Nitinol: In vivo Biocompatibility, International Conference on Shape Memory and Superelastic Technologies and Shape Memory Materials, Kunming, China, 2001
- Biocompatibility of Stentmetals, 2nd European Symposium of Vascular Biomaterials, Hamburg, Germany, 2002
- Biocompatibility testing of metallic endovascular implants, 3rd European Symposium of Vascular Biomaterials, Strasbourg, France, 2005
- Numerous lectures and presentations in international and national meetings

## **Publications**

- Over 70 published original papers in peer-reviewed international journals
- Writer in several books (inc. Shape memory Implants 2000, The Scaphoid 2010, Textbook of Hand Surgery 2016, Textbook of orthopaedics 2012, Textbook of Traumatology 2019, Textbook of emergency surgery 2019 )
- Over 80 international published proceedings, supplements or abstracts

## **Scientific profile (28.9.2022)**

- Citations 3230
- h-index 27
- i10-index 40