



## MINUTES

### DELEGATES' COUNCIL MEETING INTERNATIONAL FEDERATION OF SOCIETIES FOR SURGERY OF THE HAND

4:45pm, Wednesday 19th June  
Room A3, CityCube, Berlin

Zsolt Szabo, IFSSH President, opened the meeting at 4:55pm.

#### 1. Present

Zsolt Szabo	President
Marc Garcia-Elias	President Elect
Michael Tonkin	Past President
Daniel Nagle	Secretary General
Goo Hyun Baek	Secretary General Elect
David Warwick	Historian
Raja Sabapathy	Member at Large
Belinda Smith	Administrative Secretary
Eduardo Zancolli	Argentina (Sociedad Argentina de Cirugia de la Mano)
Greg Bain	Australia (Australian Society for Surgery of the Hand)
Sajedur Reza Faruquee	Bangladesh (Bangladesh Society for Surgery of the Hand)
Anne Lejuene	Belgium (Belgium Hand Group)
Marcello Rosa de Resinda	Brazil (Sociedade Brasileira de Cirurgia Da Mao) ; 2025 congress bid
Mario Luc	Canada (Canadian Society for Surgery of the Hand)
Lorena Parra	Chile (Sociedad Chilena de Cirugía de la Mano)
Jin Bo Tang	Chinese-Speaking (Association of Chinese-speaking Hand Surgeons United)
Luis Naquira	Colombia (Asociacion Colombiana De Cirugia De La Mano); 2025 congress bid
Alena Schmoranzova	Czech (Czech Republic Society for Surgery of the Hand)
Anders Lorentsen	Denmark (Danish Society for Surgery of the Hand)
Luis Scheker	Dominican Republic (Dominican Republic Society)
Fidel Cayon	Ecuador (Ecuadorian Society of Hand Surgery)
Nash Naam	Egypt (Egyptian Society for Surgery of the Hand and Microsurgery)
<i>To be confirmed</i>	Finland (Finnish Society for Surgery of the Hand)
Gero Meyer	France (Societe Francaise De Chirurgie De La Main)
Thomas Pillukat	Germany (Deutsche Gesellschaft fur Handchirurgie)
Konstantinos Malizos	Greece (Hellenic Society for Surgery of the Hand)
Victoria Choquin	Guatemala (Guatemalan Society of Hand Surgery)
Hin-Keung Wong /Edmund Yau	Hong Kong (Hong Kong Society for Surgery of the Hand)
Zsolt Szabo (ExCo)	Hungary (Hungarian Society for Surgery of the Hand)
Pankaj Ahire	India (Indian Society for Surgery of the Hand)
Roshanak Moradi	Iran (Iranian Society for Surgery of the Hand)

Ido Volk	Israel (Israel Society for Surgery of the Hand)
Pierluigi Tos	Italy (Societa Italiana Di Chirurgia Della Mano)
Ryosuke Kakinoki	Japan (Japanese Society for Surgery of the Hand)
Hyun Sik Gong	Korea (Korean Society for Surgery of the Hand)
Husam Basheer	Kuwait (Kuwait Society for Surgery of the Hand)
<i>To be confirmed</i>	Lithuania (Lithuania Society for Surgery of the Hand)
Reuban Sivanoli	Malaysia (Malaysian Society for Surgery of the Hand)
José Joaquín Díaz López	Mexico (Asociacion Mexicana De Cirugía De La Mano A.C.)
Alejandro Espinosa Gutierrez	Mexico (Sociedad Mexicana De Cirugia De La Mano Y Microcirugia S.C.)
Anne Vochteloo	Netherlands (Netherlands Society for Hand Surgery)
Wolfgang Heiss-Dunlop	New Zealand (New Zealand Society for Surgery of the Hand)
Jan Haugstvedt	Norway (Norwegian Society for Surgery of the Hand)
Nathaniel Orillaza	Philippines (Philippine Society for Surgery of the Hand)
Pawel Surdzial	Poland (Poland Society for Surgery of the Hand)
José Alexandre Marques	Portugal (Portuguese Society for Surgery of the Hand)
Alexandru Georgescu	Romania (Romanian Society for Surgery of the Hand)
Igor Golubev	Russia (Russian Hand Surgery Society)
Jacqueline Tan	Singapore (Singapore Society for Hand Surgery)
Maria Gašparová	Slovakia (Slovakia Society for Hand Surgery)
Ajmal Ikram	South Africa (South African Society for Surgery of the Hand)
Roberto Rosales	Spain (Sociedad Espanola de Cirugia de la Mano)
Per Hessman	Sweden (Swedish Society for Surgery of the Hand)
Esther Voegelin	Switzerland (Switzerland Society for Surgery of the Hand)
Chiu-Hung Lin	Taiwan (Taiwan Society for Surgery of the Hand)
<i>To be confirmed</i>	Thailand (Thai Society for Surgery of the Hand)
Metin Manoucher Eskandari	Turkey (Turkish Hand Society)
Jonathan Hobby	UK (British Society for Surgery of the Hand); 2022 IFSSH London
Peter Amadio	USA AAHS (American Association for Hand Surgery)
Don Lalonde	USA ASSH (American Society for Surgery of the Hand)
Rodolfo Contreras Gamboa	Venezuela (Sociedad Venezolana de Cirugia de la Mano)
Jörg van Schoonhoven	2019 IFSSH Berlin
Max Haerle	2019 IFSSH Berlin
Scott Levin	2025 bid - USA

## 2. Apologies

Abu Saleh M. Monirul Alam	Bangladesh Society for Surgery of the Hand
Ilse Degreeef	Belgium Hand Group
Paul Binhammer	Canadian Society for Surgery of the Hand
Otoniel Díaz	Dominican Republic Society
Leszek Romanowski	Poland Society for Surgery of the Hand
David Tan	Singapore Society for Hand Surgery
Nazim Karalezli	Turkish Hand Society
Igor Indriago	Sociedad Venezolana de Cirugia de la Mano
David Shewring	London 2022 Congress

### 3. Proxies

Uruguay (appointed Argentina)

### 4. Membership application

The Sociedad Ecuatoriana de Cirugia de la Mano (ECUMANO) applied for IFSSH membership in June 2019. Dr Fidel Cayón (President, ECUMANO) has supplied documents that satisfy the bylaws (including Foundation Act, Society Statutes, Ministerial Certificates, listing of Board Members and general membership, and letters of support from the Mexican Association and the Chilean, Venezuelan and Colombian Hand Surgery Societies).

***Motion: To accept the Sociedad Ecuatoriana de Cirugia de la Mano (ECUMANO) to IFSSH membership.***

Proposed: Peter Amadio; Seconded: Lorena Parra

Carried unanimously.

Dr Fidel Cayón joined the meeting as the ECUMANO representative.

### 5. Confirmation of previous minutes – 14<sup>th</sup> June 2018

***Motion: To accept the minutes as a true record of the 2018 Executive Committee Meeting***

Proposed: Peter Amadio; Seconded: Jonathan Hobby

Carried unanimously

### 6. President's Report - Zsolt Szabo

*At the end of a triennial period I would like to thank "my team", "my ExCo" and especially to Daniel Nagle for all the work, for his personal connections and relations to run legally the Federation!*

*At the end of a triennial period the final balance is:*

- *A Federation running legally*
  - *The last three years has provided confirmation of the decision to base the IFSSH registration in USA and run it in a "tax exempt" status at a relatively low cost.*
- *A Federation with safe and improving finances*
  - *Now that we are functioning legally and working within this - which means a need for finances to cover e.g. legal expenses, more meetings and new informational background - our financial status is safe and growing.*
- *A Federation with the main goal to help and support*

- *The main activity of the Federation is the CES activity. Financial support provided for different educational activities, teaching and learning purposes is continuously increasing.*
- *A Federation with friends all around the World*
  - *We have improved our relationship with FESSH (two congresses in Europe), and the ASSH (bid for an IFSSH congress). We look for partners based on friendship and science, not politics.*
- *A Federation with its first “combined” congress*
  - *We were able to agree and make compromises to organise a triennial combined congress where the priorities of both Federations have been respected.*
- *A Federation with the highest congress attendance*
  - *Thanks to the German organizers and the bilateral support of IFSSH and FESSH, this 2019 Congress has the highest attendance and scientific participation at a hand surgery event.*

*What could/should be done differently?*

- *Active participation of the delegates*
  - *The value of the IFSSH is given by the value of the delegates - we need full, enthusiastic participation.*
- *Higher interest for “quality” financial support*
  - *The CES prefers member society requests over personal requests. Educational events promoting hand surgery in economically disadvantaged parts of the World are highly encouraged.*
- *Involvement of young hand surgeons*
  - *The IFSSH should not be a Club of old rich gentlemen. Younger surgeons must be encouraged to participate and take active roles. Fellowships, grants, support and prizes dedicated to the young generation should be considered, as should representation of young colleagues within the ExCo.*
- *Financially affordable congresses*
  - *Science should be affordable for everybody independent of their financial status. Low budget congress events are to be considered for inclusion. An option to reduce overall congress rates may be to separate the scientific and social components.*
- *Scientific committees*
  - *The existing structure described in the Bylaws may not be needed. Alternatives may be considered to find new tasks and produce valuable educational content through modified or new activities.*
- *Pioneers in hand surgery*
  - *What is a “valuable” contribution? Who is a valuable contributor? The ExCo must maintain the description that a Pioneer has contributed*

*exceptionally to hand surgery and request that nominating societies only submit candidates of the highest calibre.*

- *Improving transparency*
  - *All decisions and processes are done by the ExCo and/or Delegates' Council on behalf of the IFSSH member societies. Transparency is required in the selection of IFSSH officers and in all processes of decision making.*

*Tasks for consideration in the (near) future:*

- *Changing the structure of the ExCo*
- *Changing the administration of IFSSH*
- *Changing the Bylaws*
- *Changing the frequency of our congresses*

*Change should not be done only for the pleasure of changing! Change should not be done in order to satisfy somebody's personal ambitions! Change should serve a better function!*

*The IFSSH exists and acts for the benefit of Hand Surgery.*

## **7. Secretary-General's Finance Report - Daniel Nagle**

The IFSSH treasury is financially sound. At April 30<sup>th</sup> 2019 the balance was US\$1,154,602.37. Approximately \$300,000 of this is kept with Wells Fargo as operating funds. The remainder is invested via Fidelity with the portfolio managed by Chris Crenshaw (North Carolina, USA).

Income (comprised mainly of dues payments) continues to be at a similar level to the operating expenses and educational grant payments. In 2018 \$200,000 was moved from the bank account to the investment account, which is conservatively invested. The intent is to build the corpus and support an increased number of educational grants (or a similar number to a higher level) with any additional gains.

The IFSSH is up to date with legal obligations. The Not-for-Profit status is maintained by Chicago Law Partners (Illinois, USA) and accounting obligations are undertaken with the assistance of Mann Weitz & Associates LLC (Illinois, USA).

IFSSH Funds  
30th June 2006 - 30th April 2019

	PERIOD ENDING														
	June 30, 2006	December 31, 2007	December 31, 2008	December 31, 2009	December 31, 2010	December 31, 2011	December 31, 2012	December 31, 2013	December 31, 2014	December 31, 2015	December 31, 2016	December 31, 2017	December 31, 2018	April 30, 2019	
<b>OPENING BALANCE (US\$)</b>															
Wells Fargo #1		178,489.94	207,934.27	271,238.34	320,018.21	378,457.80	403,121.69	383,725.79	437,624.90	416,992.11	347,723.23	440,886.62	516,551.86	307,547.30	
Wells Fargo #2		0.00	0.00	0.00	0.00	0.00	0.00	10,955.75	1,188.75	2,120.75	1,817.75	1,781.75	1,781.75	1,781.75	
Fidelity		479,003.40	307,683.67	401,760.92	426,334.39	421,690.43	460,416.18	485,313.05	537,710.27	528,355.15	515,925.87	590,862.79	773,448.66		
<b>INCOME (US\$) - Wells Fargo #1</b>															
Membership dues		19,439.00	97,773.42	78,814.42	51,829.92	77,115.02	73,307.91	87,746.85	71,844.21	80,189.37	93,027.46	78,378.17	89,576.83	11,073.50	
IFSSH Congress		44,919.04	0.00	0.00	100,300.00	0.00	0.00	50,000.00	14,221.57	0.00	89,860.00	106,490.30	0.00	0.00	
Ezine		0.00	0.00	0.00	0.00	N/A - See Wells Fargo #2			1,635.00	2,600.00	1,300.00	1,000.00	1,000.00	0.00	
Interest - Wells Fargo Bank		4,122.37	2,009.35	97.10	23.73	55.61	36.51	37.13	37.74	13.26	0.00	0.00	0.00	0.00	
Merchandise		100.00	0.00	0.00	0.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	
Misc		4,913.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4,629.16	0.00	
<b>Total</b>		<b>73,494.31</b>	<b>99,782.77</b>	<b>78,911.52</b>	<b>152,153.65</b>	<b>77,170.63</b>	<b>73,344.42</b>	<b>138,383.98</b>	<b>87,738.52</b>	<b>82,802.63</b>	<b>184,287.46</b>	<b>185,869.47</b>	<b>95,205.79</b>	<b>11,073.50</b>	
<b>INCOME (US\$) - Wells Fargo #2</b>															
Ezine sponsorship						17,975.00	0.00	1,088.00			N/A - see Wells Fargo #1				
Misc (Incorrect acct for deposit)						9,650.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
<b>Total</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>27,625.00</b>	<b>0.00</b>	<b>1,088.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	
<b>EXPENDITURE (US\$) - Wells Fargo #1</b>															
IFSSH Triennial Congress		7,596.33	0.00	0.00	67,285.90	0.00	5,283.15	17,410.00	40,000.00	54,889.96	5,053.80	7,080.82	1,242.00	0.00	
IFSSH Annual Ex/Co/Council Meetings		0.00	0.00	0.00	0.00	0.00	0.00	0.00	897.91	0.00	1,490.22	0.00	1,876.87	0.00	
Executive Expenses		31,375.61	21,457.35	29,762.91	22,975.79	36,104.22	25,096.00	23,667.25	18,230.19	21,926.69	19,870.93	36,218.45	30,682.49	0.00	
Secretariat				Included in Executive Travel/Wages					11,744.20	13,630.72	12,693.33	11,988.21	15,960.10	13,280.84	5,000.00
Bursaries and Grants		0.00	15,000.00	0.00	2,850.00	15,000.00	40,999.99	15,050.00	19,350.00	35,000.00	9,500.00	26,000.00	30,900.00	17,100.00	
Ezine		0.00	0.00	0.00	0.00	See Wells Fargo #2	6,000.00	12,459.00	11,729.98	11,025.29	22,511.48	19,784.44	19,777.11	4,856.61	
Lawyer/Accountant Services		N/A	N/A	N/A	N/A	N/A	N/A	N/A	14,123.38	18,571.33	2,435.81	2,659.00	125.00		
IT Services		0.00	0.00	0.00	0.00	0.00	0.00	500.00	0.00	0.00	450.00	0.00	0.00	0.00	
Bank fees - Wells Fargo Bank		144.14	21.35	368.74	602.37	1213.52	2,086.49	2,107.67	3,132.51	2,412.86	2,129.30	1,674.61	2,052.24	221.04	
Transfer to Investment Account		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	200,000.00	0.00	
Misc		4,913.90	0.00	0.00	0.00	189.00	13,274.69	2,046.75	900.00	0.00	0.00	600.00	0.00	0.00	
<b>Total</b>		<b>44,029.98</b>	<b>36,478.70</b>	<b>30,131.65</b>	<b>93,714.06</b>	<b>52,506.74</b>	<b>92,740.32</b>	<b>84,484.87</b>	<b>108,371.31</b>	<b>152,071.51</b>	<b>91,124.07</b>	<b>110,204.23</b>	<b>304,210.35</b>	<b>27,301.65</b>	
<b>EXPENDITURE (US\$) - Wells Fargo #2</b>															
Editorial / layout set up fees				N/A - Opened 2011		16,526.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Bank Fees - Wells Fargo Bank				N/A - Opened 2011		143.25	117.00	156.00	159.00	144.00	36.00	0.00	0.00	0.00	
Misc (Incorrect deposit reversed)				N/A - Opened 2011		0.00	9,650.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
<b>Total</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>16,669.25</b>	<b>9,767.00</b>	<b>156.00</b>	<b>159.00</b>	<b>144.00</b>	<b>36.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	
<b>FIDELITY INVESTMENTS (US\$)</b>															
Transfer from Wells Fargo account				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	200,000.00	0.00	
Change in Investment Value				97,368.25	28,599.47	-349.96	43,678.12	30,568.59	58,475.77	-15,744.35	-6,062.87	81,021.51	-10,188.73	92,643.36	
Advisor Fees			Records not available in secretariat office	3,291.00	4,026.00	4,294.00	4,703.51	4,985.38	5,189.29	5,353.00	5,366.20	5,418.00	6,500.00	4,083.00	
Transaction Costs & Charges										93.98	83.53	105.57	101.00	14.80	
Taxes Withheld										721.71	916.68	561.02	624.40	492.75	
<b>Total Change</b>				<b>94,077.25</b>	<b>24,573.47</b>	<b>-4,643.96</b>	<b>38,725.75</b>	<b>24,896.87</b>	<b>52,397.22</b>	<b>-21,913.04</b>	<b>-12,429.28</b>	<b>74,936.92</b>	<b>182,585.87</b>	<b>88,052.81</b>	
<b>CLOSING BALANCE (US\$)</b>															
Wells Fargo #1		207,934.27	271,238.34	320,018.21	378,457.80	403,121.69	383,725.79	437,624.90	416,992.11	347,723.23	440,886.62	516,551.86	307,547.30	291,319.15	
Wells Fargo #2		0.00	0.00	0.00	0.00	0.00	0.00	1,188.75	2,120.75	1,817.75	1,781.75	1,781.75	1,781.75	1,781.75	
Fidelity Investments		479,003.40	307,683.67	401,760.92	426,334.39	421,690.43	460,416.18	485,313.05	537,710.27	528,355.15	515,925.87	590,862.79	773,448.66	861,501.47	
Fidelity \$ change from previous year			-171,319.73	94,077.25	24,573.47	-4,643.96	38,725.75	24,896.87	52,397.22	-9,355.12	-12,429.28	74,936.92	182,585.87	88,052.81	
Fidelity % change from previous year			-35.77	30.58	6.12	-1.09	9.18	5.41	10.80	-1.74	-2.35	14.52	30.90	11.38	
<b>Total Funds (US\$)</b>	<b>584,252.37</b>	<b>686,937.67</b>	<b>578,922.01</b>	<b>721,779.13</b>	<b>804,792.19</b>	<b>835,767.87</b>	<b>845,330.72</b>	<b>925,058.70</b>	<b>956,664.13</b>	<b>877,896.13</b>	<b>958,594.24</b>	<b>1,109,196.40</b>	<b>1,082,777.71</b>	<b>1,154,602.37</b>	

## 8. Committee for Educational Sponsorship Report - Marc Garcia-Elias

The CES has awarded US \$48,000 for projects undertaken in 2018/19:

- *Hand Surgery Fellowship assistance - Dr Mohamed Abdelrahman, from Khartoum, Sudan - US \$10,900* - Dr Abdelrahman travelled to Shandong Hospital, China, for a six month Hand & Microsurgery Fellowship. As Sudan is not a member society, this was granted by the CES with the recommendation of the Association of the Chinese-Speaking Hand Surgeons United.
- *Esser Masterclass – Dr Michael Zuidam, Netherlands - US \$10,000* - The Esser group in Rotterdam organised courses and placed CES money specifically towards supporting registrants from developing countries. The first recipient was Dr Mohamed Abdelrahman. This programme is planned to continue.
- *International Consortium for Health Outcomes Measurement (ICHOM) Adult Hand Set - Dr Steven Hovius. - US \$10,000* - ICHOM received funding from a number of groups and continues to work on the development of an outcome set for adult hand conditions.
- *2nd International Symposium on Surgery of the Spastic Upper Limb, Venice - Dr Caroline Leclercq - US \$7,500* - The CES considered that the specific subject matter, the training provided to surgeons from many countries and of varying levels of expertise, and the ease of travel for all to get to Venice for the conference as worthwhile reasons to support this symposium. The CES grant was used to support registrations for surgeons from developing countries.
- *IFSHT (IFSSH/IFSHT Triennial Travel Grant; Evelyn Mackin Triennial Award; IFSHT/IFSSH International Teaching Grant) - \$9600* - The IFSHT continue to use CES support for its intended use. Multiple recipients benefit from a wide geographic basis.

All recipients have provided reports. These will be placed on the website and in the ezine.

One application has recently been received from the organisers of the 2020 Asian-Pacific Federation of Societies for Surgery of the Hand (APFSSH) Congress. This request is for funding to allow a number of surgeons from developing countries to attend the conference at reduced or gratis registration rates. This application is under review.

Marc Garcia-Elias reported that a future aim of Committee for Educational Sponsorship is to have the means to foster the education of surgeons outside of the IFSSH member societies. A number of options are being considered to allow this to happen and this will be addressed in the next review of the IFSSH bylaws.

Marc Garcia-Elias thanked the members of the Committee for Educational Sponsorship, Goo Hyun Baek and Raja Sabapathy, for their assistance in assessing each application throughout the term.

## 9. Historian's Report and Website / Social Media Report - David Warwick



Historian & Social Media Report  
Council Meeting June 2019  
David Warwick

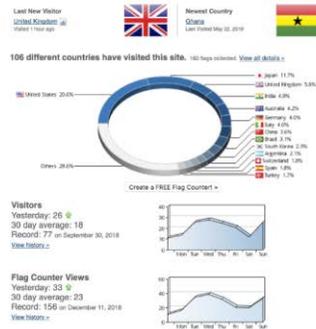
### Twitter

- Twitter account @IFSSHHand
- Set up May 2018
- 71 Tweets
  - Belinda
  - Zaf Naqui (Manchester) Max Horwitz (London)
  - David Warwick
- 439 Followers



### Website

- New Archives Tab
  - Delegates Meetings; Giants of Hand Surgery; Pioneers of hand Surgery"
- Visits as of 10th June 2019



### Hand Surgery Worldwide on Website



### Evidence Based Hand Surgery Updates

- Monthly update of all systematic reviews in hand surgery



The Centre for Evidence Based Hand Surgery provides educational resources on Hand Surgery, including:

- **Hand Surgery Evidence Updates:** A free monthly e-mail that highlights the latest systematic reviews and evidence-based guidelines relevant to hand surgery practice.
- **HandSifter:** A database of hand surgery systematic reviews mapped by topic, published since 2013.

### Updated Histories for website

- I have asked all IFSSH reps and Presidents to contribute
  - Received and on Website
    - ASSH, Argentina, Australia, Austria, Belgium, China (ACSU), Mexican Association, Philippines, Belgium, Brazil, Colombia, France, Germany, Japan, South Korea, Switzerland, Taiwan, Venezuela,
  - Yet to hear from
    - AASH, Bangladesh, Bolivia, Bulgaria, Canada, Chile, Czech Republic, Denmark, Dominican Republic, Egypt, Indonesia, Iran, Israel, Italy, Japan, Korea, Kuwait, Lithuania, Malaysia, Mexico Sociedad, Netherlands, New



Zealand, Norway, Poland, Portugal, Puerto Rico, Romania, Russia, Singapore, Slovakia, South Africa, Spain, Sweden, Turkey, Uruguay,

### EZINE Summer 2018



### IFSSH Archives

- Management of Archive
  - On Dropbox
  - Data recovery system?
  - Add some to the Website



### Requests to Delegates from Historian

- Follow @IFSSH-hand
- Send me any material you would like to distribute on Twitter
  - National meetings, national achievements etc
- Subscribe to Hand Surgery Evidence Updates
- Send me your Society history for inclusion on website



### Role of Historian

- I am not sure we need a Historian anymore.....
- As the IFSSH develops, another defined primary role would be more valuable
  - Communications Secretary
  - Treasurer
  - etc

David Warwick

davidwarwick@handsurgery.co.uk

David Warwick displayed the website for Delegates to view. More material is being added regularly and this resource should be shared with the individuals of each society. The flag counter shows the reach of the website.

All delegates were requested to check if their society had contributed an updated history ([https://ifssh.info/member\\_nation-histories.php](https://ifssh.info/member_nation-histories.php)) and, if not, to forward to the IFSSH secretariat/Historian. This is a new component of the website and histories will also be shared via the ezine.

The Twitter account is also regularly updated and can be found via @IFSSHHand.

## **10. Newsletter / Ezine - Daniel Nagle**

The newsletter is produced by the Secretary-General four times per year. This is published in print in the JHS(Am), JHS(AP) and ezine. The JHS(Eu) place it on their website following discussions led by David Shewring and the publishers.

Ulrich Mennen continues to produce the quarterly ezine with the assistance of a layout publisher in South Africa. There is a subscriber database of approximately 5000 individuals. In addition, each society delegate is requested to pass on the ezine to all individuals within their society.

## **11. 2019-2022 Executive Committee - Michael Tonkin**

The 2016-2019 Executive Committee finishes its term at this meeting. Michael Tonkin described that an efficient and effective committee requires a combination of experience, youth, skills, knowledge, and geography. The Delegates' Council are entrusted with the responsibility to elect those who represent the IFSSH at Executive Committee level.

The establishment of the incoming Executive Committee involves some automatic progressions and some elections. Those positions that involve elections will be determined with the assistance of an electronic voting system. This system is anonymous. Votes are registered to the main receiving computer, but only with the answer (i.e. the total number of submitted votes is visible to allow confirmation that all have successfully voted, but the results and all reports exclude the submitting society's details). Each delegate and ExCo member receives one vote. The system will not register multiple votes from each device. One proxy has been received. Six societies are ineligible to vote because of outstanding financial commitments; these society delegates will not receive a voting device.

Candidates will be listed alphabetically. A majority must be confirmed i.e. if a circumstance of three nominees and one person receives more than 50% of the votes

then they are immediately selected. However, if no-one receives >50% of the vote, a subsequent vote will be undertaken between only the two highest ranking nominees from the initial vote.

The voting devices were distributed and test scenarios undertaken until 100% compliance was achieved.

Michael Tonkin introduced the first two members of the 2019-2022 term, moving via automatic progression to their new roles:

**Immediate Past President: Zsolt Szabo**

**President: Marc Garcia-Elias**

Voting was conducted for the President Elect position. Nominees: Daniel Nagle and Eduardo Zancolli. The majority vote elected Daniel Nagle.

**President Elect: Daniel Nagle**

The Secretary General Elect moves to Secretary-General via automatic progression.

**Secretary-General: Goo Hyun Baek**

Voting was conducted for the Secretary-General Elect position. Nominees: Raja Sabapathy, Jin Bo Tang and David Warwick. A majority was reached within the initial voting round for Raja Sabapathy.

**Secretary-General Elect: Raja Sabapathy**

The Bylaws state that the Historian position may be performed for two consecutive terms. David Warwick, the current Historian, has indicated he will undertake the second term.

**Historian: David Warwick**

Voting was conducted for the Member-at-Large position. Nominees: Ryosuke Kakinoki and Jin Bo Tang. The majority vote elected Jin Bo Tang.

**Member-at-Large: Jin Bo Tang**

Michael Tonkin welcomed the new Executive Committee.

Zsolt Szabo thanked Michael Tonkin, the outgoing Immediate Past President, for his service to the IFSSH and noted his contributions since joining the ExCo in 2004.

## **12. 14<sup>th</sup> IFSSH Congress - Berlin, 2019 - Jörg van Schoonhoven / Max Haerle**

The 2019 IFSSH & IFSHT Congress attracted more interest than anticipated. 1800 abstracts were received and over 3950 registrations have been processed (560 from Germany, 222 UK, 219 Switzerland, 203 Netherlands and >100 from USA, Japan, Brazil, Australia and Austria). Participants come from 92 countries. The congress rooms have been busy for all sessions and the social events have been well-attended. The local committee are pleased with the outcome and honoured to have hosted the congress.

Zsolt Szabo thanked the local committee for their congress organisation and hospitality.

## **13. 15<sup>th</sup> IFSSH Congress - London, 2022 - Jonathan Hobby**

The London IFSSH Triennial Congress will be held from 27<sup>th</sup> June to 1<sup>st</sup> July 2022. London is easily accessible from all continents and the local organising committee hope for a high level of international participation.

The Queen Elizabeth II centre (Westminster) has been booked as the congress venue. The central London location is convenient for hotels, with plenty within walking distance or a straightforward commute from cheaper hotels. There are many museums, theatres and attractions nearby.

The BSSH and its IFSSH organising committee are working closely with FESSH to determine the optimal arrangements for an IFSSH Congress that provides facilities for FESSH as needed. The local organising committee will also benefit from the experience of the current German committee. The congress is a combined with the therapists.

An instructional course is planned, most likely with a similar Educational Day as undertaken in Berlin.

Scientific committees will be planning sessions in the near future and be enlisting international members to assist.

The website is active - <https://www.ifssh-ifsht2022.co.uk/> - individuals can register to receive updates.

## **14. 16<sup>th</sup> IFSSH Congress, 2025 - host selection**

The 2025 Congress is to be held in The Americas according to the IFSSH Congress rotation schedule. Three bids have been received from member societies wishing to host this congress:

- American Society for Surgery of the Hand and American Association for Hand Surgery (combined with American Society of Hand Therapists)

- Brazilian Society for Surgery of the Hand (combined with Brazilian Society of Hand Therapists)
- Colombian Association for Hand Surgery (combined with Colombian Association for Hand Therapy)

Daniel Nagle recognised the work placed into the bid documents and thanked each society for their efforts. As per the congress host guidelines, each bid was distributed to the ExCo, delegates and IFSHT at least 3 months prior to this council meeting.

He invited each society to deliver a 6 minute presentation, to be followed by a vote from the Delegates' Council.

*a. American Society for Surgery of the Hand and American Association for Hand Surgery (combined with American Society of Hand Therapists)*

Presentation delivered by Scott Levin (ASSH President).

As throughout history, the US is interested in welcoming all from abroad. Washington D.C. is the proposed congress city, with the meeting at the Marriott Wardman Park. This is a geographically accessible city, easy to navigate and family friendly. There are activities for all - scientific and medical interests, libraries and museums, a wide variety of food options, clean and efficient transport, and multilingual signage. The congress would be organised under the combined efforts of the AAHS, ASSH and ASHT - each group has experience in organising large scale meetings and links to industry support. A host programme would be incorporated to encourage maximum attendance.

*b. Brazilian Society for Surgery of the Hand (combined with Brazilian Society of Hand Therapists)*

Presentation delivered by Marcello Rosa de Resinda (SBCM President).

The SBCM has a long history, founded in 1955 it is the third oldest hand society in the world. It has a proud history of well-known society Presidents, including four that went on to be Presidents of the South American Federation and one IFSSH President. The society holds a large annual congress with good industry support. Its scientific sessions includes Evidence based medicine, advances in hand surgery, and new frontiers in medical technology. Rio de Janeiro has been chosen as the proposed site as it has a proven track record with large scale events, including recently hosting 12,000 participants at the World Gynaecology Congress. The city has sufficient infrastructure alongside opportunities for tourism. The suggested congress centre is the Windsor Complex venue which includes three hotels and has exhibition capacity for 7000 people. The local organising committee suggest a number of registration rates to allow for discounts for trainees and those from developing nations. Brazil can be accessed easily from Europe, Africa, Asia-Pacific and the Americas and entry requirements are visa-free for a large number of countries.

c. *Colombian Association for Hand Surgery (combined with Colombian Association for Hand Therapy)*

Presentation delivered by Luis Naquira (ASOCIMANO President).

ASOCIMANO is a very active society at local, national and international level. At this Berlin congress 28 papers will be presented by Colombian members and the next JHSE issue will also include their contributions. The 2025 Congress site is proposed to be Cartagena de Indias, a UNESCO World Heritage site. The city is an outdoor museum to walk around, accessible by 12 direct international flights with the airport only 10 minutes from the city. Entry to Colombia is visa-free for over 85 countries. A stay in Cartagena de Indias is compatible with all budgets. A new congress venue is under construction (due to open in 2020) and is also within walking distance. Tourism and culture are readily available locally and nationally.

Via the electronic voting system, the ExCo and Delegates' Council registered their votes. The USA combined bid was successful.

**2025 Congress Hosts:**

**American Society for Surgery of the Hand and American Association for Hand Surgery (combined with American Society of Hand Therapists)**

**15. IFSSH Pioneers - Michael Tonkin**

At this 2019 Congress, 37 Pioneers from 19 societies were honoured. The recognition of these surgeons as those who have served and contributed internationally to hand surgery is one of the most important aspects of the triennial congress.

Nominating societies should continue to observe the significance of this honour by only recommending those who fulfil the criteria. This will retain the importance of the award.

**16. IFSSH Scientific Committees - Daniel Nagle**

The Scientific Committees are a component of the IFSSH Bylaws. The IFSSH Executive have been discussing a number of ways to maintain these committees and make their activities relevant to the aims of the IFSSH, whilst also ensuring the committee participants are recognised for their work. For example, reviews and expert opinions may both be valid options for committee reports and publication in the ezine and journals would allow the citation of this work. These discussions will continue and delegates can forward suggestions for optimal committee activities via [administration@ifssh.info](mailto:administration@ifssh.info).

## **17. Other Business arising from Executive Committee Meeting**

The IFSSH Executive will be undertaking a review of the Bylaws. This will cover a number of aspects such as the roles of the ExCo (e.g. redefine the Historian, include Communications) and the Scientific Committees as detailed above, as well as processes undertaken throughout the triennium (e.g. election).

As per the Presidential Report, this will need delegate participation (both within the review and to approve the final revision). The current Bylaws are on the website - <https://ifssh.info/pdf/bylaws.pdf>. All delegates are welcome to forward suggestions for the review - [administration@ifssh.info](mailto:administration@ifssh.info).

## **18. IFSSH Allied Organisations**

All IFSSH allied organisations were invited to submit reports for inclusion in minutes:

- International Federation of Societies for Hand Therapy (IFSHT)
- Asian-Pacific Federation of Societies for Surgery of the Hand (APFSSH)
- Federation of European Societies for Surgery of the Hand (FESSH)
- South American Federation
- Hand and Wrist Biomechanics International

Those submissions received are included in Appendix 1.

## **19. Next meeting of the Delegates Council**

2020 – ASSH: October 1-3, San Antonio, Texas, USA

2021 – To be confirmed

- FESSH: June 16-19, Rotterdam, The Netherlands
- ASSH: September 30-October 2, San Francisco, California, USA

2022 – IFSSH: June 27-July 1, London, UK

***Meeting closed 6:40pm***

### IFSHT PRESIDENT ACTIVITIES 2016-2019

- Hosted IFSHT EXCO interim meeting in Hong Kong, 2017 to prepare goals for current term
- Approved and appointed an administrative assistant
- Finalised adjustment of IFSHT membership fees to be more equitable and sustainable, effective January 2020
- Deleted the Commercial membership category (to be voted on at Council meeting)
- Rewrote the IFSHT contract template for future congresses, and updated signed agreements for Berlin 2019 and London 2022
- Represented IFSHT at Eurohand 2017, ASHT 2017 and 2018, APFSHT 2017, EFSHT 2018
- Attended site visit in Berlin, 17-19 June 2018, in preparation for 2019 Congress
- Continue to update website content, including offering online applications for membership, awards and grants, as well as informing members of online resources and educational opportunities.

### IFSHT TRIENNIAL MEETINGS

- **11<sup>th</sup> IFSHT Triennial Congress / 14<sup>th</sup> IFSSH Triennial Congress, 2019 Berlin, Germany**
  - 30-year IFSHT anniversary – goniometers purchased as celebratory keep-sake
  - Inaugural presentation of Lifetime Achievement award
  - Worked with our international Co-chairs of the Scientific Program to ensure high quality workshops and papers at Congress
- **12<sup>th</sup> IFSHT Triennial Congress / 15<sup>th</sup> IFSSH Triennial Congress, 2022 London, UK**
  - Website address updated to ifssh-ifsht2022.com.
  - Nicola Goldsmith (President-elect) working with BAHT and IFSSH after completion of Berlin 2019.
- **13<sup>th</sup> IFSHT Triennial Congress / 16<sup>th</sup> IFSSH Triennial Congress, 2025**
  - Received bids: Delegates will be voting on combined ASSH/AAHS/ASHT in Washington DC, ASOCIMANO/ASCOTEMA in Cartagena, Columbia and from SBCM/SBTM Rio de Janeiro, Brazil.

### IFSHT MEMBERSHIP

- **Full members:** 37, representing more than 9500 hand therapists worldwide. Greece reinstated
- **Associate members:** Bangladesh, Mexico, Nepal, Philippines, Qatar, Singapore, Thailand, and United Arab Emirates.
- **Corresponding members:** Bahrain, Barbados, Gaza, Ghana, Iran, Malta, Romania, Saudi Arabia, Sri Lanka and Zimbabwe.

**Regional Liaison Organisations:** American Association for Hand Surgery (AAHS), Asia Pacific Federation of Societies for Hand Therapy (APFSHT), European Federation of Societies for Hand Therapy (EFSSH), International Federation of Societies for Surgery of the HAND (IFSSH) and International Society for Sport Traumatology of the Hand (ISSPORTH) and South American Society Hand Therapy (SSTM).

### COMMUNICATION

#### Within IFSHT:

- **Executive committee:**
  - Continue to chair regular Skype-call meetings, and use Teamworks as our virtual office
  - Have been working closely with secretary general to ensure goals achieved and queries addressed.

- Prepared the budget for 2019-2022, allocating funds for major website update
- **Committee activity:**
  - Education committee: has completed a survey of full members investigating society activities, and also asked associate/corresponding members for their needs to aid development
  - Ad Hoc Social Media Committee has posted updates about IFSHT and the Congress in Berlin
  - By-laws Committee has made some updates, especially to reflect deletion of commercial membership category
  - Translation committee: now translating IFSHT Update into Japanese and Spanish.
- **Delegate communication:**
  - Delegates continue to receive regular updates from the IFSHT Secretary General and vote electronically in IFSHT elections.

#### With Hand Therapists around the world:

- **IFSHT Update:** published 4 x annually in the US and the British Journals of Hand Therapy and distributed to all member countries. Now included in the IFSSH Ezine.
- **IFSHT website ([www.ifsht.org](http://www.ifsht.org)):** Continue to regularly update website with new features and content. Over 300 requests for hand therapy information, education, international referral for patient care received over last three years.
- **IFSHT Hand Therapy Connections E-Newsletter:** 2x per year. Currently, 1937 subscribers.
- **IFSHT Facebook:** remains active
- **IFSHT contribution to IFSSH E-zine:** IFSHT has continued to source and prepare a short clinically relevant article for the IFSSH Ezine. Recent topics include splinting for thumb MP joint hypermobility.

#### IFSHT AWARDS AND SPONSORSHIP ACTIVITY

- **Evelyn Mackin Award:** sponsorship of a therapist(s) from a developing country to attend triennial congress. In 2019, IFSHT fully supported four therapists to attend the congress. Therapists were from Bhutan, Zimbabwe, Estonia and Poland. IFSHT has booked and paid for flights, accommodation and registration in full.
- **IFSSH/IFSHT Triennial Congress Travel Grant:** Eighteen applicants received funds to support, registration, accommodation and/or travel. Funds were distributed based on guidelines, specifically for countries with low GDP, for associate members who had not attended the Congress previously, with funds from the 2016 Silent Auction specifically used to support speakers and poster presenters.
- **IFSHT-IFSSH International Hand Therapy Teaching Awards.** During this term, grants made available to support therapists teaching hand therapy in less-developed countries have increased to \$US1500. Four applications were received and support offered to:
  - Jane Fedorczyk (USA) travelled to Rwanda in April 2018 (funds not required)
  - Jenny Ball (Australia) travelled to Nepal in May 2018
  - Meryl Glover (UK) travelled to Malawi in October 2018
  - Shrikant Chinchalkar (Canada) travelled to Sri Lanka in February 2019
- **Cristina Alegri Award for Innovation in Hand Therapy** will be awarded at close of innovation session on Friday. Eight worthy nominations were received.
- **The inaugural IFSHT Lifetime Achievement Award will be awarded in 2019** to honor those who have made a global impact on profession of hand therapy. 13 recipients will receive award at IFSHT opening ceremony on Tuesday 18 June.
- **Dynamometers:** ~15 available. Since June 2018, delivered to Nepal, Bolivia, Tanzania, Rwanda, Zimbabwe, India, Vietnam, Malawi, Argentina, Kathmandu by visiting therapists.

## APPENDIX 1B - APFSSH

### 2019 APFSSH (Asian-Pacific Federation of Societies for Surgery of the Hand) Report

19<sup>th</sup> June 2019, Goo Hyun Baek

#### Current Member Societies (13)

Australian Hand Surgery Society  
Bangladesh Society for Surgery of the Hand  
Hong Kong Society for Surgery of the Hand  
Indian Society for Surgery of the Hand  
Indonesian Society for Surgery of the Hand  
Japanese Society for Surgery of the Hand  
Korean Society for Surgery of the Hand  
Malaysian Society for Surgery of the Hand  
New Zealand Society for Surgery of the Hand  
Association of Hand Surgeons for the Philippines  
Singapore Society for Hand Surgery  
Taiwan Society for Surgery of the Hand  
Thai Society for Surgery of the Hand

#### Observer Societies (5)

China Society for Surgery of the Hand  
Myanmar Society for Surgery of the Hand  
Pakistan Society for Surgery of the Hand  
Vietnam Society for Surgery of the Hand  
Sri Lanka Society for Surgery of the Hand

#### APFSSH Executive Committee

President: Goo Hyun Baek (Korea)  
President-Elect: Raja Sabapathy (India)  
General Secretary: Tony Berger (Australia)  
General Secretary-Elect: Fuminori Kanaya (Japan)  
Immediate Past President: Yuan-Kun Tu (Taiwan)

#### Official Journal of APFSSH

'The Journal of Hand Surgery Asian-Pacific Volume' since 1996  
Published 4 issues (Mar, June, Sep, Dec)

#### APFSSH Congresses

11<sup>th</sup> APFSSH Meeting: Cebu City, Philippines (7<sup>th</sup> -10<sup>th</sup> October, 2017)  
12<sup>th</sup> APFSSH Meeting, Melbourne, Australia (9<sup>th</sup> -11<sup>th</sup> March, 2020)  
13<sup>th</sup> APFSSH Meeting, Singapore (May, 2023)

This past year has seen many developments in the activities of the APFSSH. Many of the original aims of the first Charter of the APFSSH being to promote Hand Surgery and Education in the Region and to support a Travelling Fellowship have been somewhat hampered by a lack of funds and difficulties in coordinating activities throughout the region under the umbrella of the APFSSH. All the member societies are very active in their own countries and have frequent combined scientific meetings. The Federation has some funds but these are being held by member societies from donations and from the running of our scientific meetings.

In order to increase the activity of the Federation the executive has over the past 2 years been working towards establishing an office and a bank account where funds can be collected and then used to achieve the aims of the Federation. With so many differing countries and laws in the region this proved to be a little difficult but with the work of you Singaporean colleagues we are on the threshold of opening an account and having an administrative base in Singapore. In order to satisfy the financial requirements of Singapore it has also been necessary to establish a proper Constitution. This has been a monumental task with contributions from many members of our Federation but has also been very useful in that we now have a proper framework for the efficient running of what has become quite a large organization. The Constitution was voted on and adopted by the executive and member delegates at a Council meeting in Taiwan last month. With a few details to complete over the next few months the Federation will soon be able to achieve its aims in the region.

The Journal of Hand Surgery Asian Pacific Volume, is the official journal of the APFSSH which is published 4 times a year. 181 articles are submitted in 2018, and acceptance rate was 36%.

Federation website is also undergoing a redevelopment and with the increased activity of the Federation we hope to encourage more contributions to the website with meeting announcement and other educational activities.

With the Constitutional work completed the attention of the Federation is now directed towards the next APFSSH meeting to be held in Melbourne Australia in March 2020. This is co-convened by the Australian and New Zealand Hand Surgery Societies and the Asian Pacific Wrist Association. It is again held in conjunction with the APFSHT with many combined sessions. We are also trying to support registrations from hand surgery societies from developing nations in our region by offering reduced registration rates and raising funds from other registrations to further support attendees from these member societies.

Whilst Melbourne may suffer from the tyranny of distance I would encourage as many of you as possible to attend. I am sure we can make the trip worthwhile.

[apfssh2020.org](http://apfssh2020.org)

## APPENDIX 1C - HWBI

### **Hand and Wrist Biomechanics International (HWBI)**

[www.hwbi.org](http://www.hwbi.org)

The hand and wrist represent one of the most challenging structures in the study of biomechanics, as well as in the evaluation of many biomechanical principles. Hand and wrist biomechanics has been somewhat under developed in comparison to mainstream biomechanics research over the past century. While numerous biomechanical studies have been initiated by surgeons and engineers, collaborative efforts among scientists and clinicians are required in order for continuing progression in research and further improvement of treatment modalities and outcomes.

For over 25 years, the International Symposia on Hand and Wrist Biomechanics have provided the opportunity for global scientific exchange and mutual encouragement among basic science and clinical investigators. In 2012, the International Advisory Board decided to form Hand and Wrist Biomechanics International (HWBI) to further enhance the development of hand and wrist biomechanics and its clinical applications. It is our hope that through the structured organization of HWBI, research activities related to hand and wrist biomechanics will be elevated and clinical translation will be improved.

HWBI is affiliated with International Federation of Societies for Surgery of the Hand (IFSSH) and the International Society of Biomechanics (ISB). With these affiliations, the HWBI benefits from IFSSH's and ISB's established excellence as premier international organizations and their vast umbrella networks in promoting basic science and clinical applications. In turn, the HWBI contributes its specialty knowledge to the broad fields of hand surgery and biomechanics. HWBI regularly organizes symposia in conjunction with IFSSH and ISB congresses.

# Hand and Wrist Biomechanics International (HWBI) Symposium

*In conjunction with*

14th IFSSH & 11th IFSHT Triennial Congress  
Berlin, Germany, June 17-21, 2019

## HWBI Session 1 -- Free Papers

14:00-16:00, Thursday, June 20, 2019

Moderators: William Seitz, David Nelson

Introduction of HWBI

Zong-Ming Li

Stress behavior in CMC thumb in Bennet's fracture:

Finite element analysis

Torres, Carlos

Nitinoll Intramedullary Fixation for DIP Arthrodesis

Restores Biomechanically Stable Pinch and Grasp

Seitz, William

Distal interphalangeal joint osteoarthritis: Silicone

arthroplasty versus screw arthrodesis

Estermann, Lea

Thumb IP joint arthroplasty with a surface gliding

implant: One-year follow-up

Marks, Miriam

Effect of carpal tunnel release on digital flexors tendons

excursion: comparison of open and percutaneous

sonographically guided techniques

F. Mounondo

### Discussion

Engineering Drawing Analysis Applied to Complex

Radiographs

Nelson, David

WristArt is the new concept of the total wrist joint

prosthesis based on a fractal theory of the biomechanics

of the wrist joint

Gorelick, Lauren

What is wrong with the total wrist arthroplasty? The

alternative understanding of wrist biomechanics

according to the mathematical conversion of a non-linear

biomechanical system to linear one

Gorelick, Lauren

Biomechanical effects of ulnar styloid fracture repair

techniques on distal radio-ulnar joint stability

Lee, Thay

### Discussion

Resting Forearm Position and its Relevance to the Dart

Thrower's Motion

Ross, Mark

Relationship between ulnar variance and shape of the

midcarpal joint

Vandevivere, Hanne

The Hysteresis Effect of scaphoid in sequential carpal

ligament injuries--A cadaveric study

Wang, Qiao

In-vivo 3D motion analysis of the wrist during dart-

throwing motion after 3-corner fusion and RSL fusion

Reissner, Lisa

### Discussion

Biomechanical evaluation of wrist flexors and extensors

function after arthroscopic treatment of triangular

fibrocartilage lesions

Jokiel, Marta

The bony anatomy of the radius and ulna : A Computed

Tomography study for implant design and related

research

Pretorius, Henry

Using musculoskeletal modelling to clarify the effect of

wrist posture on muscle force-generating capacities and

maximal grip force during a power grip task

Caumes, Mathieu

The sensory component plays an important role in

prognostic and prescriptive of hand rehabilitation

Hsiu-Yun Hsu, PhD

### Discussion

## HWBI Session 2 -- Invited Lectures

16:30-18:30, Thursday, June 20, 2019

Moderators: Marc Garcia-Elias, Zong-Ming Li

Misleading biomechanical terminology in carpal

pathology

Marc Garcia-Elias

Institut Kaplan, Barcelona, Spain

Should upper extremity joints considered non-weight

bearing?

Frédéric Schuind,

Université libre de Bruxelles, Belgium

Functional motion preservation of arthritic wrist

William H. Seitz, Jr

Cleveland Clinic, USA

A history of distal radius fractures from the perspective

of a surgeon/engineer

David Nelson

San Francisco Bay Area Hand Club, USA

Carpal arch space augmentation by radioulnar wrist

compression and muscle-ligament interaction

Zong-Ming Li

Cleveland Clinic, USA

Does the stable central column theory offer anything

useful?

Michael Sandow

University of Adelaide, Australia