***SCIENTIFIC PROGRAM :***

**FRIDAY, NOVEMBER 15, 2013**

7.30 *Registration*   
7.55 *Welcome*

**BASICS AND PRINCIPLES**   
Chairman : Margareta Nordin

8.00 Understanding spinal pain: advances during two decades  
*Bjorn Rydevik (Göteborg)*

8.15 Who develops chronic low-back pain?  
*Michel Benoist (Paris)*

8.30 The myth of Instability  
*Robert Mulholland (Nottingham)*

8.45 *Discussion*

**DIAGNOSIS AND INDICATIONS I**   
Chairman: Alex Vaccaro

9.00 Sagittal imbalance should be considered even for one level fusion  
*Jean-Charles Le Huec (Bordeaux)*

9.15 The changes which occurred in the knowledge of idiopathic scoliosis diagnosis and treatment in the last 20 ears.  
*Pierre Pries (Poitiers)*

9.30 Has the minimally invasive trend of the last 20 year gone too far: Is there a role for facet dowels, interspinous spacers, ligamentum flavum shavers, bags for interbody fusion etc?  
*David Wong (Denver)*

9.45 *Discussion*

10.00 *Coffee break*

**DIAGNOSIS AND INDICATIONS II**   
Chairman: Robert Mulholland

10.30 Treatment of disc herniation and sciatica: what has happened in 20 years?  
*Bjorn Rydevik (Göteborg)*

10.45 Is discography still on?  
*Ray Baker (Seattle)*

11.00 What is new in Fracture Classification?  
*Max Aebi (Bern)*

11.15 Cervical myelopathy  
*Ciaran Bolger (Dublin)*

11.30 *Discussion*

11.45 Rheumatoid arthritis - a vanishing surgical disease?  
*Max Aebi (Bern)*

12.00 Degenerative SPL : how to move forward down to better move backward up  
*Jean-Paul Steib (Strasbourg)*

12.15 Advances in the management of cervical spine trauma  
*Alex Vaccaro (Phialdelphia)*

12.30 What we have learned in the field of spine tumor care  
*Stefano Boriani (Bologna)*

12.45 *Discussion*

13.00 *Lunch*

12.50 *Workshops*

* *K2M*
* *Integra*
* *LDR*

**CONSERVATIVE CARE**   
Chairman: Jean-Charles Le Huec

14.00 Evidence in Chiropractic manipulative care twenty years ago and now  
*Christopher Colloca (Phoenix)*

14.15 20 years evolution in pain therapy for low back pain  
*Ray Baker (Seattle)*

14.30 Surgery versus intense rehabilitation for spinal degenerative conditions. Where do we stand in 2013?  
*Margareta Nordin (New York)*

14.45 *Discussion*

15.00 *Coffee break*

**BIOLOGICS AND COMPUTING TECHNOLOGY**   
Chairman: Rick Guyer

15.20 Biologics in spine surgery: controversies and current state of the art  
*J.J. Abitbol (San Diego)*

15.35 With complications from BMP's, should we go back to the minimally invasive graft harvesting techniques of twenty years ago?  
*Brad Weiner (Houston)*

15.50 How computers have changed the practice of Medicine over the last 20 years  
*Richard Guyer (Dallas)*

16.05 Robotic spine surgery   
*AE Castelvi (Tampa)*

16.20 *Discussion*

**SURGICAL TECHNIQUES I**   
Chairman : Jean Jacques Abitbol

16.35 Minimally invasive surgery and x-ray exposure: what have we learned about the risk to surgeons and patients in the last 20 years?  
*David Wong (Denver)*

16.50 Microsurgery 20 years on: what are the surgical techniques and technology the spine surgeon must learn and use to move from good to great? Is there still room for better surgical techniques and technology?  
*David Wong (Denver)*

17.05 XLIF for degenerative scoliosis as a new option for sagittal alignment correction  
*Luiz Pimenta (Sao Paulo)*

17.20 *Discussion*

17.35 *End of day 1*

**SATURDAY NOVEMBER 16, 2013**

**SURGICAL TECHNIQUES II**   
Chairman : Marco Brayda-Bruno

8.00 Alternative solution of the electric cautery to decrease bleeding and pain  
*Jean-Charles Le Huec (Bordeaux)*

8.15 10 years with focus on fast-track surgery and rehabilitation - where is the limit?  
*Finn Bjarke Christensen (Aarhus)*

8.30 Complication of motion preservation with posterior dynamic, interspinous and facet replacement.  
*A.E. Castelvi (Tampa)*

8.45 *Discussion*

9.00 Minimally invasive fusion for LBP or minimally invasive spinal stenosis surgery, thoracic disc?  
*Ciaran Bolger (Dublin)*

9.15 The good, the bad and the ugly "20 yrs of motion preservation in the lumbar spine"  
*Michael Mayer (Munich)*

9.30 Long term experience lumbar TDR Surgeries - comparison to fusion in terms of clinical outcomes and complications  
*Rudolf Bertagnoli (Staubing)*

9.45 *Discussion*

10.00 *Coffee Break*

**SURGICAL TECHNIQUES III**   
Chairman : Björn Rydevik

10.30 Long term experience in Nucleus Replacement Surgeries - the failure of a promising concept   
*Rudolf Bertagnoli (Staubing)*

10.45 What have we learned in the surgery of pediatric spine in the last 20 years?   
*Francisco Villarejo (Madrid)*

11.00 Cervical Hnp-Is disc replacement the new gold standard? What does the evidence say?  
*Scott Blumenthal (Dallas)*

11.15 The evolution of treatment for odontoid fracture - anterior & posterior surgery  
*N. Knoler (Tel Aviv)*

11.30 *Discussion*

**OUTCOMES**   
Chairman: David Wong

11.45 Are we better scientists today with current outcomes measurements compared to 20 years ago?  
*Scott Blumenthal (Dallas)*

12.00 Cost-effect analysis - The impact of a modern outcome parameters on Low Back Pain treatment  
*Bjarke Finn Christensen (Aarhus)*

12.15 Newer techniques of techniques of diagnosis and surgery have led to better patient outcomes over the last 20 years, True or False?  
*Richard Guyer (Dallas)*

12.30 The best predictor for successful outcome in low back pain rehabilitation or surgery. What have changed over 20 years?  
*Margareta Nordin (New York)*

13.00 *Discussion*

13.00 *Lunch*

**ETHICS AND ECONOMY**   
Chairman: Brad Weiner

13.50 From iliac crest to BMP, from stainless steel to titanium and cobaltchrome: 20 years of revolution in biomaterialsâ€¦ Patient or industry benefit ?  
*Marco Brayda-Bruno (Milano)*

14.05 Has quality in spine surgery improved in the last 20 yrs?  
*Michael Mayer (Munich)*

14.20 Disclosures in spine surgery: conflicts of interest and current practice  
*JJ Abitbol (San Diego)*

14.35 Medical errors and their root cause  
*Alex Vaccaro (Philadelphia)*

14.50 *Discussion*

15.05 The Profit-Motive and the Treatment of Lumbar Degenerative Conditions  
*Brad Weiner (Houston)*

15.20 Fads in spinal implant development. A 20-year review.   
*Finn Bjarke Christensen (Aarhus)*

15.35 The device industry in spine surgery: what has changed in the US the last 20 years  
*Sharon Schulzki (San Diego)*

15.50 The device industry in spine surgery: what has changed in Europe the last 20 years?  
*Stephane Corp (Lyon)*

16.05 *Discussion*

16.20 *End of the meeting*