

The International Society
for the Study of
the Lumbar Spine



ISSLS Instructional Course Santiago de Chile, March 17-18, 2014

Meeting hosts: Roberto Postigo and Robert Gunzburg

| <i>ISSLS Faculty</i> | <i>Local Faculty</i> | |
|-----------------------------|----------------------|---------------|
| Ch. Cedraschi (Switzerland) | G. Arriagada | R. Postigo |
| C. Colloca (USA) | A. Chahin | A. San Martin |
| R. Gunzburg (Belgium) | A. Dowling | A. Silva |
| R. Guyer (USA) | B. Marre | C. Thibaut |
| S. Hu (USA) | S. Mobarec | J. Urrutia |
| M. Nordin (USA) | M. Molina | M. Valencia |
| T. Oxland (Canada) | S. Pantoja | D. Witt |
| M. Szpalski (Belgium) | M. Perez | R. Yurac |

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Monday, March 17

8:00-8:05 Introduction.

Basics

8:05-8:15 History of ISSLS

Dr. M. Szpalski

8:15-8:30 Biomechanics of the lower back

Dr. T. Oxland

8:30-8:45 Biomechanics of frequently used spinal implants

Dr. T. Oxland

8:45-8:55 What does biomechanics tell us about adjacent level changes in the lumbar spine?

Dr. T. Oxland

8:55-9:05 Do we need scientific journals?

Dr. R. Gunzburg

9:05-9:15 Discussion

9:15-9:45 **Coffee break**

Low back Pain Module

9:45-10:00 The role of neuromuscular system in low back pain

Dr. C. Colloca

10:00-10:15 Introduction to the bio-psychosocial model

Dr. Ch. Cedraschi

10:15-10:30 Psychological aspects for surgical triage

Dr. Ch. Cedraschi

10:30-10:45 Lumbar spinal manipulation, biomechanical responses

Dr. C. Colloca

10:45-11:00 Discussion

11:00-11:15 To fuse or not to fuse the lumbar spine, what are outcomes from RCTs

Dr. M. Nordin

11:15-11:30 Adjacent segment disease: reality or fiction

Dr. M. Szpalski

11:30-11:45 Limitations of TDR

Dr S. Hu

11:45-12:00 What is 'dynamic fusion'?

Dr. R. Guyer

12:00-12:10 Discussion

12.10-14.15 Lunch Workshops

Lumbar stenosis Module

14:15-14:30 Lumbar stenosis: etiopathogenesis, diagnosis

Dr. R. Gunzburg

14:30-14:45 Lumbar stenosis natural history. Is there a place for conservative treatment?

Dr. A. Silva

14:45- 15:00 Lumbar stenosis: conservative decompression

Dr. R. Gunzburg

15:00-15:15 Intracanal symptomatic synovial cyst: management

Dr B. Marre

15:15-15:45 Case presentation and panel discussion.

Dr. J. Urrutia

- 15.45-16.15 Coffee break
- 16:15-16:30 A low cost model for referral to surgery in rural and nonrural areas
Dr. M. Nordin
- 16:30-16:45 Hemostais in spinal surgery
Dr. M. Szpalski
- 16.45-17.00 Lumbar stenosis: posterolateral vs TLIF vs 360 in monosegmental lumbar fusions
Dr. A. Chahin
- 17:00-17:15 Lumbar stenosis: multilevel decompression and fusion
Dr. A. San Martin
- 17:15-17:30 Degenerative spondylolisthesis
Dr S. Hu
- 17:30-17:45 Back pain after fusion surgery: epidemiology, ethiology and treatment options
Dr. M. Molina
- 17.45-18:00 Bone grafting in lumbar spine surgery
Dr A. Silva
- 18:00-18:15 BMP, still a place for it in spinal surgery?
Dr. R. Guyer
- 18:15-18:30 Case presentation and panel discussion

Tuesday, March 18

Aging Spine

- 8:00-8:15 Osteoporosis:the role of the spinal surgeon in diagnosis and treatment
Dr. A. Chahin
- 8:15-8:30 Biomechanical challenges of spinal fixation in the aging spine
Dr. T. Oxland
- 8:30-8:45 Avoiding implant failures in osteoporotic patients
Dr. D. Witt
- 8:45-9:00 Vertebral osteoporotic fracture: treatment selection conservative, MISS, open?
Dr. S. Mobarec
- 9:00-9:15 Conservative treatment of osteoporotic fractures: how, when, who?
Dr. M. Valencia
- 9:15-9:30 Vertebroplasty and kyphoplasty outcomes in blinded and un-blinded randomized trials
Dr. M. Nordin
- 9:30-9.45 Complications of VOF.: management and avoidance
Dr. R. Yurak
- 9:45-10:00 Case presentation and panel discussion
Dr. R. Postigo
- 10:00-10:30 Coffee break

Sagittal Imbalance

- 10.30-10:45 The concept of spinal balance.
Dr S. Hu
- 10:45-11:00 Spinal balance and spondylolisthesis. Is it important in planning surgery?
Dr. S. Pantoja
- 11:00-11:15 Adult degenerative scoliosis: diagnosis, Treatment options and indications
Dr S. Hu
- 11:15-11:30 Adult degenerative scoliosis: surgical treatment
Dr. S. Pantoja
- 11:30-11:45 Surgical treatment of sagittal imbalance
Dr R. Postigo
- 11:45-12:00 Case presentation and panel discussion: adult degenerative scoliosis treated by surgery
Dr. S. Pantoja
- 12:00-12:15 Case Presentation and panel discussion: sagittal imbalance treated with PSO

Dr. J. Urrutia

12.15-14:00 **Lunch Workshops**

Minimally Invasive Lumbar Spine surgery

- 14:00-14:15 Percutaneous screws and radiation: to patient and surgeon.
Dr. R. Guyer
- 14:15-14:30 Endoscopic disc surgery: limitations and advantages
Dr. A. Dowling
- 14:30-14:45 MISS foraminotomy for cervical spine
Dr. A. Dowling
- 14:45-15:00 MISS tube disc surgery
Dr. C. Thibaut
- 15:00-15:15 MISS decompression without fusion: indications and technique
Dr. A. San Martín
- 15:15-15:30 MISS decompression and fusion; indications and technique
Dr. R. Postigo
- 15:30-15:45 XLIF - TLIF - PLF anterior fusion: is anyone better than the others? Analysis of literature
Dr. M. Perez
- 15:45-16:00 Interspinous spacers: is there a place for them still?
Dr. G. Arriagada
- 16:00-16:15 Round table: case presentation; MISS TLIF+ Pedicular screws in degenerative spondylolisthesis
Dr. R. Postigo
- 16:15-16:30 Case presentation and floor discussion: disc herniation treated by percutaneous endoscopic surgery
Dr. A. Dowling
- 16:30-16:45 Case presentation and floor discussion: degenerative scoliosis treated by XLIF
Dr. M. Perez
- 16:45-17:00 Final conclusions. Acknowledgment
Dr. R. Gunzburg

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