

3rd GENEVA SPINE COURSE



Sagittal balance Master course

JC. Le Huec (Bordeaux) – A. Faundez (Genève)

Sagittal Balance course

Hotel Warwick

Friday September 19th, 2014

Anatomical workshop

Institut d'anatomie – Pr J. Fasel

Centre Médical Universitaire

Saturday September 20th, 2014



Didactic and practical teaching

How to integrate spine balance analysis in your daily practice for diagnosis and treatment

Pelvic and spine parameters, normal and degenerative changes

WORKSHOP sessions : individual computer analysis with KEOPS software

Cases discussion

Information : sagittalcourse@gmail.com

Supported by



Hotel Warwick

14, rue de Lausanne – 1201 Genève



Sagittal balance

Master course

Sagittal Balance Course Agenda

PROGRAM

Principles for daily practice in DDD

Sagittal balance is a complex topic. In order to understand the concepts, a different type of educational course is needed. This course is modelled on a European program, designed by Professor Jean Charles Le Huec, teaching at Bordeaux university medical school and past EuroSpine president. Comprehensive approach of the balance concept will be presented.

The course is designed to introduce concepts slowly with adequate time for questioning and discussion before moving on to more advanced concepts. There is a 'hands on' approach to measuring parameters on spinal X Rays and the use of software for digital images. The speakers will provide their expertise through didactic presentations and clinical cases precisely selected.

The program will also include practical clinical cases and workshop approach with breakout session to help to identify appropriate treatment. All participants are requested to bring their own cases well documented in a ppt format for open discussion.

Chairmen : JC. Le Huec , A. Faundez

Speakers : S. Genevay, A. Patwardhan,
J. Franke, P. Lascombes

FRIDAY SEPT. 19th, 2014

- 07:45** WELCOME : Pr P. Hoffmeyer, Hôpital Universitaire de Genève
07:55 OBJECTIVES OF THE COURSE : Pr JC. Le Huec

- 08:15** BIOMECHANICS OF SPINAL BALANCE : JC. Le Huec
 • Center of gravity
 • Imbalance and compensatory mechanism

- 08:25** SPINAL IMAGING OF THE SPINE FOR BALANCE ANALYSIS : A. Faundez
 • Standardize long standing X rays : posture and X ray source
 • EOS system :

- 08:40** DISCUSSION

- 08:50** HOW TO DEFINE PARAMETERS TO ANALYZE THE SPINAL BALANCE JC. Le HUEC
08:50 Pelvic parameters : the pelvic vertebra :
 • Pelvic parameters and significance
 • Pelvic parameter value : adult and pediatric
 • Clinical cases : analysis of variations

09:30 COFFEE BREAK AND OPEN CASE DISCUSSION

- 10:00** Spine parameters :
 • Analysis of the spinal shape
 • Classification of the different shape
 • Discussion : on clinical cases
10:45 Correlation between spine shape and pelvic shape :
 • Sagittal Spine contour in asymptomatic population
 • Discussion on clinical cases

- 11:00** C7 plumb : how to use it.
 • SVA, SSA
11:15 Cervical spine sagittal alignment
 • New parameters
 • Classification of normal asymptomatic population
 • Consequences
11:30 Breakout session : Workshop, A.Faundez, JC. Le Huec, P. Roussouly
 • Clinical cases :
 • Software measurement keeps database and sagittalmeter app
 • Discussion

12:30 LUNCH TIME : ON SITE BUFFET

13:30 AGING PROCESS AND SAGITTAL BALANCE CONSEQUENCES

- 13:30** Biomechanical consequences of aging : A. Faundez
 • Compensation and imbalance : how to recognize
13:45 Neurological and muscular consequences : S. Genevay
 • Radicular and cord consequences
 • Muscle atrophy
14:15 Sagittal balance variations and pathology: JC. Le Huec
 • Spinal shape and disc herniation, SPL, DDD,
 • Could sag balance influence indications : TDR or ALIF
14:30 Proximal junctional kyphosis : biomechanical perspectives : A. Patwardhan
 • Analysis of failure
 • Biomechanical consequences for thoraco-lumbar fusion methods

15:00 COFFEE BREAK AND OPEN CASE DISCUSSION

15:30 SAGITTAL BALANCE ANALYSIS :

- 15:30** Spondylolisthesis with lysis : JC. Le Huec
 • New classification
 • Consequence for surgical treatment
 • Clinical case discussion : P. Lascombes
16:15 Degenerative spondylolisthesis without lysis A. Faundez
 • Analysis principles
 • Consequence for surgical treatment
 • Clinical case discussion
17:00 Kyphosis : iatrogenic and degenerative flat back
 • Harmonious kyphosis and angular kyphosis : JC. Le Huec
 • Concept of full balance integrated analysis : FBI : A. Faundez
 • Surgical strategy for imbalanced aging patient with claudication : J. Franke

17:45 TAKE HOME MESSAGE JC. Le Huec, A. Faundez

17:50 COFFEE BREAK AND OPEN CASE DISCUSSION

EOS station visit on request (free)

FREE EVENING OR GROUP RESTAURANT (RESERVATION REQUESTED)



Sagittal balance

Anatomical Workshop

PROGRAM

SATURDAY SEPT. 20th, 2014

ANATOMICAL WORKSHOP 

Chairmen : A. Faundez, JC. Le Huec, J. Fasel

Monitors : A. Faundez, T. Selz,
JC. Le Huec, J. Franke, D. Boscherini

08:00 Welcome and preparation for the laboratory **JC. Le Huec**

08:15 Anatomy of the nerve root ganglion **J. Fasel**

08:30 Surgical technique of Chevron PSO VCR **A. Faundez**

08:50 Management of complications after osteotomies **JC. Le Huec**

09:30

WORKSHOP WITH 5 STATIONS

Smith petersen , PSO and other various techniques to restore sagittal contour



Medtronic



zimmer
Advanced 3D. Advanced Care.

12:00 Wrap up and discussion (clinical cases)

13:00 END OF THE COURSE AND LUNCH BUFFET

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CONTACT FOR FURTHER INFORMATION : sagittalcourse@gmail.com

