



# 2<sup>nd</sup> | ADVANCED SPINE SURGERY UPDATES-EGYPT 2019

& Cadaveric Hands-On Workshop



Endorsed  
by



AOSPINE  
MIDDLE EAST



Conference Venue  
Hilton Heliopolis -Cairo

20<sup>th</sup> - 21<sup>st</sup> June, 2019

20<sup>th</sup> - 23<sup>rd</sup>  
June, 2019 - Cairo

Cadaveric Workshop  
National Training  
Institute -Cairo

22<sup>nd</sup> - 23<sup>rd</sup> June, 2019

NAVIGATING THE FUTURE OF SPINE SURGERY

## Welcome Message

Dear Spine Surgeons,

On behalf of Egyptian Spine Association, we are delighted to invite you all to the "Second Advanced Spine Surgery Updates" to be held on June 20<sup>th</sup> - 23<sup>rd</sup>, 2019 in Cairo, Egypt. The meeting will include two days didactic lectures and two days advanced cadaveric Hands-on workshop.

The workshop will cover different techniques and approaches for MIS spinal surgery, endoscopy, deformity and osteotomies. Distinguished international and national faculties will moderate the conference and workshop. On completion of the workshop the trainees will learn pearls and tricks for spinal endoscopy and deformity surgery.

I hope you will enjoy this fabulous meeting in Egypt, the land of history.



**Yasser El-Banna, MD**

*Yasser El-Banna*

ESA and Conference Chairman



**Basem I. Awad, MD**

*Basem Awad*

Conference Vice-Chairman

**Christopher Shaffrey, MD**

Professor of Neurological Surgery & Adjunct Professor of Orthopaedic Surgery  
Chief of Spinal Surgery  
Duke University - USA

**Sigurd Berven, MD**

Professor in Residence  
Chief, Spine Service  
Department of Orthopaedic Surgery  
UC San Francisco - USA

**Roger Hartl, MD**

Professor of Neurological Surgery  
Director of Spinal Surgery and Neurotrauma  
The Weill Cornell Brain and Spine Center - New York, USA

**Nathaniel Brooks, MD**

Associate Professor of Neurological Surgery  
University of Wisconsin School of Medicine and Public Health - USA

**Ralf Wagner, MD**

Professor of Orthopaedic Surgery  
Head of the LIGAMENTA Spine Center - Frankfurt, Germany

**Samy Elhammady, MD**

Associate Professor of Neurological Surgery  
Cleveland Clinic Abu Dhabi - UAE

**Nader Hebel, MD**

Associate Professor of Orthopedic Surgery  
Cleveland Clinic Abu Dhabi - UAE

**Óscar L Alves, MD**

Head of Neurosurgery  
Hospital Lusiadas - Portugal

**Prof. Muhammed Assous FRCS Orth, CCST, MD**

Consultant Spine Surgeon  
Razi Spine Clinic - Amman, Jordan

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**National Faculty**


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*alphabetical*
**● Abdel Fattah Saoud, MD**

Professor of Orthopaedic and Spine Surgery  
Vice President of Ain Shams University for Education and Students' affairs  
Past president of the World Spinal Column Society.


**● Ahmed Shawky Abdelgawaad, MD**

Lead Consultant of Spine Surgery - HELIOS Klinikum Erfurt - Germany.  
Associate Professor of Orthopedics and Trauma - Assiut University - Egypt


**● Ali Abou Madawi, MD**

Professor & Chair Suez Canal Neurosurgery.  
Chair AOSPINE Eg.  
Chief editor of EgySpineJ.  
Board member of ESNS.  
Secretary of ESA.  
Ex President of APCCS.  
Board member of staff promotion council.


**● Ezzat Abdel Khalek, MD**

Professor of Neurosurgery, Al-Galaa Military Hospital


**● Hossam Salah, MD**

Professor of Orthopedic & Spinal Surgery, Cairo University  
Vice President Africa Spine  
Board member AOSPINE Egypt  
Secretary of Egyptian Scoliosis Society  
Fellow of Scoliosis Research Society  
Ex Head of Spine Surgery Department, Nasser Institute.



### ● Mohamed Abdel Wanis, MD

PhD Kanazawa University, Japan in 2002  
AOSpine Middle East and North Africa Board Member  
Member of the AOSpine International Community Development Commission  
Past Chairman of AOSpine Egypt  
Chief Spine Surgeon, Sohag University Hospital  
Prof of Orthopedic Surgery  
Sohag University, Egypt.



### ● Mohamed El Meshtawy, MD

Professor of Orthopedic - Assuit univeristy



### ● Mohammad El-Sharkawi, MD

Senior Consultant of Spine Surgery  
Professor of Orthopaedic and Trauma Surgery.  
Vice Dean for Research and Postgraduate Studies,  
Assiut University Medical School, Egypt.  
Chairperson AOSpine Middle East and Northern Africa.



### ● Mohamed Khattab, MD

Associate Professor of Orthopedic and Spine Surgery, Ain Shams University.  
Egyptian Spine Association Board Member  
Past AOSpine EG Board Member  
Spine Fellow Ortho Zentrum Muenchen, Munich, Germany



### ● Mohamed Wafa, MD

Professor of Orthopaedics and Spine Surgery  
AinShams University, Cairo  
Former President of Egyptian Spine Society  
and Arab Spine



● **Nabil Mansour, MD**

Professor and Chairman Neurosurgery Mansoura Univeristy



● **Omar Hammad, MD**

Professor of Neurosurgery  
Consultant of Neuroendoscopy  
AIN SHAMS UNIVERSITY  
Founder and President of AIN SHAMS INTEGRATED NEUROSURGERY PEDIATRIC  
GROUP (AINPG)  
Interested and experienced in endoscopy in Cranial, Ventricular, and Spine.



● **Tamer Hassan, MD**

Professor of Neurosurgery, Department of Neurosurgery  
Director of RCCNB; Research Center of Computational Neurovascular Biomechanics, Somoha University Hospital, Interested in brain and spine endoscopy.



● **Tarek El-Hewala, MD**

Lecturer of Orthopedic - Zagazeg Univeristy



● **Wael Koptan, MD**

Professor of Orthopaedic and Spine Surgery  
Faculty of Medicine, Cairo University- Egypt  
Fellow, Scoliosis Research Society

2<sup>nd</sup>

Advanced Spine Surgery  
Updates-Egypt-2019



**Medtronic**  
Further. Together



**STORZ**  
KARL STORZ – ENDOSKOPE



**artech**  
Medical Devices & Diagnostics





**09:00 -10:00** Surgical Planning for Adult Spinal Deformity

**Chairperson:** Prof. Sigurd Berven  
Prof. Christopher Shaffrey

**10:00 -11:00** Concepts to Learn Spinal Endoscopy

**Chairperson:** Prof. Ralf Wagner  
Prof. Muhammed Assous



Thursday, June 2019

20<sup>th</sup>

Opening Ceremony – President welcoming speech

11:00 -11:30



**Chairpersons:**

Prof. Yasser El Banna

Prof. Mohamed Wafa

Prof. Nasser El Ghandour

Prof. Basem Awad

11:00-11:10 History of Spine Surgery in Egypt

**Prof. Mohamed Wafa**

11:10-11:20 Congress Vice-President

**Prof. Basem Awad**

11:20-11:25 ESA/Congress President

**Prof. Yasser Banna**

11:25-11:30 ESNS President

**Prof. Nasser El Ghandour**

11:30-12:00

Coffee Break



Thursday, June 2019

20<sup>th</sup>

## Key Note Lectures

12:00 -13:00

**Chairpersons:**

Prof. Christopher Shaffrey

Prof. Yasser El Banna

Prof. Ezzat Abdel Khalek

- 12:00-12:20    Improving Quality on Adult Deformity Care—Future Directions  
**Prof. Christopher Shaffrey**
- 12:20 -12:40    Incorporating the MIS Concept/Technique in Your Practice  
**Prof. Roger Hartl**
- 12:40 -13:00    Reduce Radiation Exposure in Spine Surgery  
**Prof. Sigurd Berven**

Thursday, June 2019

20<sup>th</sup>

## Approaches for Lumbar Spondylolisthesis

13:00 -14:30

**Chairpersons:**

Prof. Roger Hartl

Prof. Abdel Wahab Ibrahim

Prof. Mohamed Abdel Wanis

- 13:00-13:05 Case presentation: L4/5 spondylolisthesis Debate  
**Prof. Nader Hebela**
- 13:05-13:15 Open TLIF  
**Prof. Nader Hebela**
- 13:15-13:25 MIS TLIF  
**Prof. Nathaniel Brooks**
- 13:25-13:35 ALIF/OLIF  
**Prof. Sigurd Berven**
- 13:35-13:45 XLIF  
**Prof. Roger Hartl**
- 13:45-13:55 Microsurgical Decompression Only  
**Prof. Samy El-Hammady**
- 13:55-14:05 End of Debate: Discussion
- 14:05-14:20 Surgical Management of High-Grade Spondylolisthesis  
**Prof. Sigurd Berven**
- 14:30-15:30 Lunch 

Thursday, June 2019

20<sup>th</sup>

## MIS vs Open in Sagittal Spinopelvic Alignment

15:30-16:30

**Chairpersons:**

Prof. Sigurd Berven

Prof. Mohamed El Meshtawy

Prof. Wael Koptan

15:30-15:45

All Lumbar Fusion Cases are Deformity Cases

**Prof. Christopher Shaffrey**

15:45-16:00

Avoiding Iatrogenic Deformity with MIS Techniques

**Prof. Nathaniel Brooks**

16:00-16:15

Global and Focal Lordosis Correction Utilizing Posterior MIS Techniques

**Prof. Roger Hartl**

16:15-16:30

Anterior Column Release and Hyperlordotic Cages

**Prof. Sigurd Berven**

16:30-17:00

Coffee Break



Thursday, June 2019

20<sup>th</sup>

## AOSpine Symposium: Management of Scheuermann disease and Kyphosis

17:00 -17:45



### Chairpersons:

Prof. Mohammad El-Sharkawi  
 Prof. Christopher Shaffrey  
 Prof. Youssry el Hawary

- |               |  |
|---------------|--|
| 17:00-17:05   | Welcome and Program Overview<br><b>Prof. Mohammad El-Sharkawi</b>  |
| 17:05-17:10   | Why AOSpine<br><b>Prof. Mohammad Abdel-Wanis</b>   |
| 17:10-17:15   | Reflection from Past AOSpine Fellow<br><b>Prof. Tarek Hewala</b>   |
| 17:15-17:25   | Scheuermann Disease and Kyphosis: An Overview of the Disease and Natural History<br><b>Prof. Sigurd Berven</b> |
| 17:25-17:35   | Conservative Treatment: Evidence Based Approach<br><b>Prof. Wael Koptan</b>                                    |
| 17:35 - 17:40 | Case Presentation: Severe Scheuermann's Kyphosis<br><b>Prof. Ahmed Shawky</b>                                  |
| 17:40-17:55   | Open Discussion Among the Group  |
| 17:55-18:00   | Case Solution  |
| 18:00-18:20   | Expert Opinion Lecture: Surgery for Scheuermann Kyphosis<br><b>Prof. Christopher Shaffrey</b>                  |
| 18:20-18:25   | Questions and Answers  |
| 18:25-18:30   | Discussion and Take-home Message   |
| 18:30         | ESA Council Board Meeting  |

Friday, June 2019

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## MIS Approaches for Adult Spinal Deformity

08:00 - 09:00

**Chairpersons:**

Prof. Christopher Shaffrey

Prof. Hisham Shaker

Prof. Abdelfattah Souad

- 08:00-08:15** Applications and Evidence for Spinal Navigation in MISS  
**Prof. Roger Hartl**
- 08:15-08:30** MIS Offers an Effective Tool to Deformity Surgery  
**Prof. Nathaniel Brooks**
- 08:30-08:45** MIS Has No Role in Deformity Surgery  
**Prof. Sigurd Berven**
- 08:45-09:00** Spinal Deformity in the Aging Spine  
**Prof. Christopher Shaffrey**

Friday, June 2019

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## Key Note Lectures

09:00 – 10:00




## Chairpersons:

Prof. Hesham El Sagheer

Prof. Nabil Mansour

Prof. Mohamed Khattab

- 09:00-09:30 Principles to Remember When Things Go Really Wrong  
**Prof. Christopher Shaffrey**
- 09:30- 09:50 Insights to Lateral Procedural Evolution/ Indirect Decompression  
Concept  
**Prof. Roger Hartl**
- 09:50-10:00 AOSpine MISS Curriculum  
**Prof. Roger Hartl**
- 10:00-10:15 **Honorary Session**
- 10:15-10:30 Coffee Break 

Friday, June 2019

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## Surgical Pearls to Endoscopic Spine Surgery

10:30 - 12:00

**Chairpersons:**

Prof. Ralf Wagner  
 Prof. Omar Hammad  
 Prof. Hassan Galal

- 10:30-10:40** The Past, Present and Future of Endoscopic Spine Surgery  
**Prof. Nathaniel Brooks**
- 10:40-10:50** Intralaminar Endoscopic Approaches  
**Prof. Ralf Wagner**
- 10:50-11:00** Transforaminal Endoscopic Approaches  
**Prof. Muhammed Assous**
- 11:00-11:10** Endoscopic Spinal Fusion Techniques  
**Prof. Ralf Wagner**
- 11:10-11:15** Discussion
- 11:15-11:25** Endonasal Endoscopic Odontoidectomy  
**Prof. Samy El-Hammady**
- 11:25-11:35** Endoscopy for Cervical Disc Herniation and Stenosis  
**Prof. Ralf Wagner**
- 11:35-11:45** Video-Assisted Thoracoscopic Spine Surgery (VATS)  
**Prof. Mohamed El Meshtawy**
- 11:45-11:55** Full Endoscopic soft tissue approach to lumbar disc prolapse, the inter-laminar versus transforaminal approach  
**Prof. Tamer Hassan**
- 11:55-12:00** Discussion
- 12:00-13:00** Friday Prayer and Lunch



Friday, June 2019

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## ESA Symposium – Management of Cervical Deformity

13:00 – 14:40

### Chairpersons:

Prof. Ali Abou-Madawi

Prof. Oscar Alves

Prof. Hossam Salah

- 13:00-13:10 Sagittal Alignment and Imbalance of the Cervical Spine; an Overview  
**Prof. Mohamed Khattab**
- 13:10-13:15 Case Presentation of Occipito-cervical instability  
**Prof. Hossam Salah**
- 13:15-13:25 Occipito Cervical Fusion; Different Indications and Outcomes.  
**Prof. Mohamed Wafa**
- 13:25-13:35 Neglected Atlanto-axial instability; avoidance and management  
**Prof. Basem Awad**
- 13:35-13:40 Case Solution  
**Prof. Hossam Salah**
- 13:40-13:50 Discussion

- 13:50-13:55 Case presentation of subaxial deformity  
**Prof. Yasser El-banna**
- 13:55-14:05 Deformity of the subaxial cervical spine, causes and management  
**Prof. Mohamed El-Meshtawy**
- 14:05-14:15 The impact of Sagittal imbalance on clinical outcome of cervical spondylotic myelopathy; does it matter?  
**Prof. Ali Abou-Madawi**
- 14:15-14:20 Case Solution  
**Prof. Yasser El-banna**
- 14:15-14:30 How to avoid postoperative cervical deformity: Tips and tricks!  
**Prof. Abdelfattah Saoud**
- 14:30:14:40 Discussion

Friday, June 2019

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## MIS Surgery in Cervical Spine


14:40 - 15:25

**Chairpersons:**

Prof. Nathaniel Brooks

Prof. Hussein Abou EL Ghait

Prof. Tamer Hassan

- 14:40-14:50 MIS Posterior Cervical Foraminotomy  
**Prof. Muhammed Assous**
- 14:50-15:00 Potentials of MIS in Posterior Cervical Fixation  
**Prof. Roger Hartl**
- 15:00-15:10 MIS Resection of Cervical Intradural Extramedullary Tumors  
**Prof. Basem Awad**
- 15:10-15:20 Control Vertebral Artery with Cervical spine Tumors  
**Prof. Oscar Alves**
- 15:20-15:25 Discussion
- 15:30-16:00 Coffee Break 

Friday, June 2019

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## Emerging Technologies in Spine Surgery

16:00-17:05

**Chairpersons:**

Prof. Roger Hartl

Prof. Ahmed Shawky

Prof. Mohamed Safwat

- 16:00-16:10    Robotic Guidance in Spine Surgery  
**Prof. Roger Hartl**
- 16:10-16:20    Emerging Technology with Bone grafting  
**Prof. Sigurd Berven**
- 16:20-16:30    Biological for disc regeneration  
**Prof. Roger Hartl**
- 16:30-16:40    Motion Sparring/Artificial Disks  
**Prof. Oscar Alves**
- 16:40-16:50    Mobile Apps and Surgical Planning  
**Prof. Nathaniel Brooks**
- 16:50-17:00    Real Time Cervical Spine MRI  
**Prof. Basem Awad**
- 17:00-17:15    Discussion
- 17:30            AOSpine Egypt Council Board Meeting







IN  
TEAMWORK,  
WE BELIEVE



Address: 16 Fathy Talaat st. - Sheraton Buildings - Cairo

Tel: +20 (2) 22666152 - 22666156 - 01001634534

Fax: +20 (2) 22666137

Website: [www.misr2000online.net](http://www.misr2000online.net) | Email: [misr\\_2000@hotmail.com](mailto:misr_2000@hotmail.com)

Facebook: [www.facebook.com/misr2000](http://www.facebook.com/misr2000)

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