



# PROGRAM

THE 12<sup>TH</sup> CONGRESS OF CHINESE ASSOCIATION  
OF ORTHOPAEDIC SURGEONS

China-Beijing May 22-25 ,2019

Hosted by: Chinese Medical Doctor Association; Chinese Association of Orthopaedic Surgeons

Organized by: Chinese Association of Orthopaedic Surgeons

# THE 12<sup>th</sup> CONGRESS OF CHINESE ASSOCIATION OF ORTHOPAEDIC SURGEONS

## Corporate Partners



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# Welcome Message



On behalf of the Chinese Association of Orthopaedic Surgeons, I am pleased to invite you to the 12th Congress of Chinses Association of Orthopaedic Surgeons (CAOS 2019) taking place on May 22 to May 25 in China National Convention Center, Beijing ,China.

For the past 12 years ,the Congress has been the flagship event of our association, which surgeons and scientists around the world attend to obtain the latest information in orthopaedic field. CAOS2019 features surgical, medical, multidisciplinary, and resident/ fellow learning pathways, with specialty education all day-every day during the meeting. More than ten specialties will be presented covering Arthroplasty, Spine, Trauma, Sport Medicine, Foot and Ankle, etc. The Scientific Program will include a variety of curriculum organization, such as cadaver courses, symposia. Peer reviewed abstracts’ submission are encouraged and will be scheduled as oral

or E-poster presentation, especially for young surgeons. The common feature of each program event is the commitment to provide the highest quality, most interesting and clinically relevant material by world-class faculty and experts.

Beijing, the nation’ s political, cultural and educational center, has developed prosperously becoming an international cosmopolis, attracting millions of tourists each year.CAOS2019 is not only about education, but also the camaraderie of the CAOS : reaffirming old friendships and making new ones . We truly believe that everyone involved in the field will benefit from CAOS 2019.

Best wishes to all for a great conference!

Yan Wang

President of Chinese Association of Orthopaedic Surgeons (CAOS)

President of the 12th Congress of Chinese Association of Orthopaedic Surgeons (CAOS2019)

<b>Honorary Chairmen:</b>	Yanling ZHANG	SongLin LI	Min YANG		
<b>Consultants:</b>	Anmin CHEN	Kerong DAI	Gengding DANG	Yudong GU	ShiBi LU
	Guixing QIU	Wei TIAN	Manyi WANG	Zhengguo WANG	Jianguang XU
	BingFang ZENG	Yingze ZHANG	Qun ZHAO		
<b>Chairman:</b>	Yan WANG				
<b>Vice Chairmen:</b>	Li CAO	Dingjun HAO	Qiang LIU	Zhongjun LIU	Guohua LU
	Kunzheng WANG	Xisheng WENG	Yong QIU	Wen YUAN	Changqing ZHANG
	Yingze ZHANG	Jinmin ZHAO	Dewei ZHAO	Yue ZHOU	

## Organizational Committee

<b>Chairmen:</b>	Yan WANG				
<b>Vice Chairmen:</b>	Zhenggang BI	Min DAI	Shunwu FAN	Shiqing FENG	Dingjun HAO
	Qunhua JIN	Rong KONG	Juan LIU	Guohua LU	Long LU
	Zengfu SHAO	Jun SHU	XiaoBin TIAN	Yayi XIA	Jincheng WANG
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	Yingze ZHANG	Jia ZHENG	Dongsheng ZHOU	Yue ZHOU	
<b>Members:</b>	Zhenggang BI	Xiaodong CHEN	Zhongqiang CHEN	Min DAI	Shiqing FENG
	Zhongli GAO	Dingjun HAO	Yihe HU	Baoguo JIANG	JianYuan JIANG
	Dianming JIANG	Qunhua JIN	Rong KONG	Chunde LI	Feng LI
	Jianjun LI	Ming LI	Jianhua LIN	Bin LIU	XiaoFang LIU
	ZhuoJING LOU	Long LU	Xinlong MA	TieBing QIU	TieBing QIU
	Sihe QIN	Huiyong SHEN	Zhanjun SHI	Jun SHU	Tiansheng SUN
	XiaoBin TIAN	Daping WANG	JINcheng WANG	Yue WANG	Haishan WU
	Xinbao WU	Yayi XIA	Yongqing XU	Shigui YAN	Huillin YANG
	Zhengang CHA	Jia ZHENG	QIUjian ZHENG	Dongsheng ZHOU	

## Education Committee

<b>Chairmen:</b>	Kunzheng WANG				
<b>Vice Chairmen:</b>	YingFANG AO	Li CAO	Shiyi CHEN	Zhongqiang CHEN	Xiaodong CHEN
	Xuesong DAI	Wei GUO	Dingjun HAO	ShisHEng HE	Baoguo JIANG
	JianYuan JIANG	Qing JIANG	Wei LEI	Jianjun LI	Yu LIANG
	Qiang LIU	Zhongjun LIU	Xinlong MA	Zhensheng MA	Sihe QIN
	Yong QIU	Kanglai TANG	Kunzheng WANG	Haishan WU	Jianping YANG

Members:

Junlin YANG	Wen YUAN	Yingze ZHANG	Xianlong ZHANG	Dewei ZHAO
Zhou YUE				
Abuli Kemu	Ai Erken	Bo BAI	Xizhuang BAI	Zhenggang BI
Lin CAI	Xianhua CAI	Zhengdong CAI	Yimin CHAI	Feng CHANG
Bohua CHEN	Shiyi CHEN	Yunzhen CHEN	Liming CHENG	Zhongliang DENG
Jian DONG	Shunwu FAN	Weimin FAN	Shiqing FENG	Yanzheng GAO
Hui GAO	KaiJIN GUO	Wei GUO	Yong HAI	ShuFeng HAN
Fuguo HUANG	Wei HUANG	Wei HUANG	Yihe HU	Hongjun HUO
Tanghong JIA	Shikong JIA	Baoguo JIANG	JianYuan JIANG	Qing JIANG
Qing LEI	Jianjun LI	Jianmin LI	Wuyin LI	Zhongshi LI
Hongkai LIAN	Qi LIAO	Weiming LIAO	Wenbo LIAO	Bin LIN
Baoge LIU	Bo LIU	Xiangyang LIU	Xiaoguang LIU	Yun LU
Xianguo LOU	Gang LU	Long LU	Zhi LU	Xinlong MA
Wei MA	Xun MA	Zhensheng MA	Qinggang MENG	ZhiBin MENG
Hao PENG	Jixian QIAN	Hui QIANG	Yanguo QIN	Limin RONG
Xifu SHANG	Xianwen SHANG	Zengfu SHAO	Yong SHEN	Bin SHEN
Dahui SUN	Kangli TANG	Peifu TANG	Hui ren TAO	Hua TIAN
Peijian TONG	Guoqiang WANG	Jingcheng WANG	Lei WANG	Qing WANG
Shaojin WANG	Wanchun WANG	Wenjun WANG	Yipeng WANG	Qingjun WEI
Peng WEI	Jianmin WEN	Peng WEN	Bing WU	Haishan WU
Xinbao WU	Zhanyong WU	Daping WANG	Bing XIA	Chun XIA
Hong XIA	Lei XIA	LiangBi XIANG	Jianru XIAO	Jianzhong XU
Jie XU	Qingyun XUE	Jinglong YAN	LIU YANG	Jianping YANG
YUAN YANG	Zhenjun Yao	Zhaoming YE	Zuomin YIN	Dong YIN
Zongsheng YIN	Baoqing YU	Bin YU	Hong YUAN	Hong ZHANG
Kun ZHANG	LIU ZHANG	Shou ZHANG	Weibin ZHANG	Xianlong ZHANG
YIYUAN ZHANG	Jianning ZHAO	Jie ZHAO	Li ZHAO	Qun ZHAO
Xueling ZHAO	Ping ZHENG	Lianjie ZHENG	Jiansheng ZHOU	Yue ZHU

President



Yan WANG

Vice Presidents (sorted in alphabetical order of family names)



Li CAO



Qiang LIU



Zhongjun LIU



Guohua LV



Yong QIU



Kunzheng WANG



Xisheng WENG



Wen YUAN



Changqing ZHANG



Yingze ZHANG



Dewei ZHAO



Jinmin ZHAO



Yue ZHOU

Secretary General



Dingjun HAO



**Chairmen of Expert Subspecialty Societies**  
(sorted in alphabetical order of family names)



**Kunzheng WANG**  
Chinese  
Arthroplasty Society



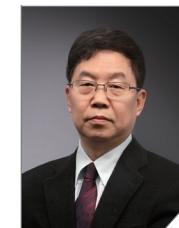
**Yan WANG**  
Chinese  
Spine Society



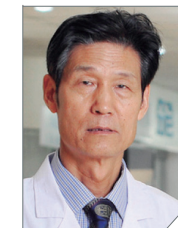
**Yingze ZHANG**  
Chinese Orthopaedic  
Trauma Society



**Xinlong MA**  
Chinese Orthopaedic  
Integrated Medicine  
Society



**Zhensheng MA**  
Chinese Bone and Joint Developmental  
Disorders and Disability  
Prevention Society



**Sihe QIN**  
Chinese External  
Fixation and Limb  
Reconstruction Society



**Yong QIU**  
Chinese Spinal  
Deformity Society

**CAOS Fourth Committee**  
(sorted in alphabetical order of family names)



**Li CAO**  
Chinese Hip  
Joint Society



**Shiyl CHEN**  
Chinese  
Sports Medicine Society



**Wei GUO**  
Chinese  
Musculoskeletal  
Tumor Society



**Dingjun HAO**  
Chinese Spinal Trauma  
Society



**Kanglai TANG**  
Chinese Foot and  
Ankle Society



**Haishan WU**  
Chinese Knee  
Joint Society



**Jianping YANG**  
Chinese Pediatric  
Orthopaedic Society



**Wen YUAN**  
Chinese Cervical  
Spine Society



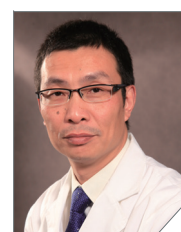
**Shisheng HE**  
Chinese Spinal Pain  
Society



**Baoguo JIANG**  
Chinese Shoulder  
and Elbow Society



**Jianyuan JIANG**  
Chinese Thoracic and  
Lumbar Spine Society



**Qing JIANG**  
Chinese Orthopaedic  
Research Society



**Dewei ZHAO**  
Chinese Bone Circulation  
and Bone Necrosis  
Society



**Xianlong ZHANG**  
Chinese Prosthetic Joint  
Infection Society



**Yue ZHOU**  
Chinese Minimally  
Invasive Spine Society



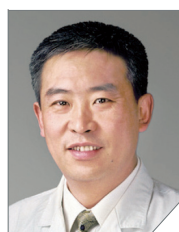
**Yu LIANG**  
Chinese Spinal  
Microsurgery Society



**Wei LEI**  
Chinese Orthopaedic  
Innovation and  
Translational Society



**Jianjun LI**  
Chinese Orthopaedic  
Rehabilitation Society



**Qiang LIU**  
Chinese  
Osteoporosis Society



**Zhongjun LIU**  
Chinese Orthopaedic  
3D Printing Society



**Yan WANG**  
Chinese Orthopaedic  
Youth Society



**Xiaodong CHEN**  
保髋学组



**Junlin YANG**  
小儿脊柱组





Akhilendra Varma



Artem Ermakov



Bobby KW NG



Chayanin Angthong



Cheng-Kung Cheng



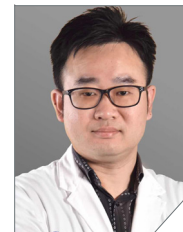
Chris Pearce



Christopher Mow



Chun-Hoi Yan



Weizheng Chen



Danny Dungca



Donald Kastenbaum



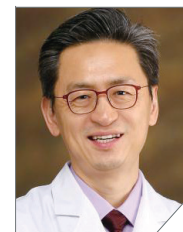
Gamal Hosny



Hamish Simpson



Harshad Shah



Hong-Geun Jung



Ibrahim Gado



Jeffrey C. Wang



John Liu



Jose C Bongiovanni



Jose Morcuende



Kees Jan Ponsen



Kenneth MC Cheung



Kuen-Bae Lee



Maneesh Bhatia



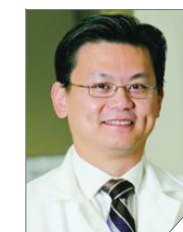
Nicolaas Cyrillus Budhiparama



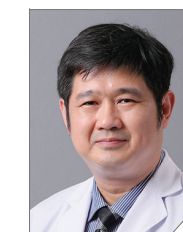
Nikesh Shah



Ozeki Satoru



Patrick Hsieh



Peter Wai-Pan YAU (丘偉鵬)



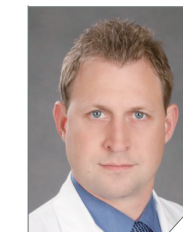
Reza Firoozabadi



S.S. JHA



Saw Aik



Stephen Quinnan



Stuart Goodman



Sushrut Babhulkar



Syed Shahid Noor



Walter Virkus



Woo-Chun Lee



Yong-wook Park



Yeung-Jen Chen



LiZhi zhang

## Time

May 22 – May 25 ,2019

## Venue

China National Convention Center

Add: 8 Building 1, No.8 Precincts,

Beichen West Road, Chaoyang District,

Beijing

Tel:010-84373300

## Official Language

**National Session:** Chinese

**International Session:** Chinese and English

## Participants Identification

Please wear your Congress Name Badge for all Congress activities. Access to congress rooms and exhibition will be denied without a valid name badge. The badge is disposable, damaged badge are invalid and access to conference rooms will be denied.

Yellow Lanyard: **VIP Guest**

Red Lanyard: **Academic Guest**

Blue Lanyard: **Official Participant**

Green Lanyard: **Exhibitor**

Grey Lanyard: **Staff/Volunteer**

Purple Lanyard: **Media**

## Meals

Lunch will be provided on May 23 and May 24.

**Location:** F1

## Registration Information

**On-Site Registration Time:**

- May 22 08:00-20:00
- May 23 08:00-20:00

**Location:**F1 Registration Area, China National Convention Center

Please collect conference materials while registering the congress. The student and nurse must provide the students/nurse ID card for discount. Otherwise, participants need to pay the full price for registration.

**Information Desk:**

Please go to information desk to get more info about registration, payments, accommodation servicing, meals, conference materials.

## Scientific Information

**For Moderator**

1. Please check in at the designed congress room 15min before the session starts to check the schedule.
2. Please strictly control the presentation time according to Congress Agenda.
3. Please keep the session in order.

**For Speaker**

1. Please check in with moderator 15 min before the session starts.
2. Using personal computer or USB driving giving lectures is NOT allowed.
3. All the speakers are required to finish their presentations within the EXACT allocated time slot. Countdown Timer will be used to control the Presentation time. When time is up, the PPT will be switched off automatically.

**Opening Hours for Speaker Room**

Please upload the files at the Speaker Ready Room at least HALF DAY before the presentation. Speakers presenting in the morning please upload in the afternoon of the previous day.

- May 22: 14:00-20:00
- May 23: 07:00-20:00
- May 24: 07:00-20:00

## Simultaneous Interpretation

The ENG-CHN simultaneous interpreting will be provided for International Instructional Course. Please find an on-site staff for interpretation device and return it to the staff after meeting.

## Important Social Events

**Opening Ceremony**

**Date & Time**

18:00 -19:00 May 23, 2019

**Venue:**

China National Convention Center,F4 Exhibition Hall

**VIP Reception:**

**Date & Time :**

20:00-21:00 May 23

**Venue:**

Venue: F3 , Grand Skylight Hotel

**Significant places of interest trip in Beijing**

**Date & Time**

May 25, 2019

**Closing Ceremony**

**Date & Time**

11:00 -12:00 May 25, 2019

**Venue:**

Function Hall C, F1, China National Convention Center

## Exhibition

**Venue:** F4 of China National Convention Center

**Date & Time:**

08:00-18:00 May 23

08:00-18:00 May 24

## CAOS WeChat Official Platform

In order to carry our continuing education of orthopaedic doctors, CAOS builds this WeChat official account to communicate with member surgeons.



**WeChat Name:**

Chinese Association of Orthopaedic Surgeons

**WeChat ID:**

CAOS\_China

This official account will daily push a variety of contents, including orthopaedic news, video reviews, literature, and resources. The official account will live broadcast the conference and publish related news.



**1. Scan QR Code**

Open your WeChat→Click the “+” on the right corner of top→Click “Scan QR Code”→Scanning the QR Code

**2. Search CAOS's WeChat Number**

Open your WeChat→Click the “+” on the right corner of top→Click “Add Contacts”→Click “Official Accounts”→Enter “CAOS\_China”→Click “Search”

**H5 Official Website**

By visiting the Official Mobile Webpage of CAOS2019 can all the participants have the latest information of the Congress including academic schedule, the speaker and moderator information, exhibitor information, and live broadcast.



- 1.Scan the QR Code of CAOS2019
- 2.Enter CAOS WeChat Official Account→Click the bottom bar “CAOS2019”

**Post-Congress Enquiry**

Website: [www.caos-china.org](http://www.caos-china.org)  
Email: [conference@caos-china.org](mailto:conference@caos-china.org)  
Tel: +86-10-59007165

**Accommodation**

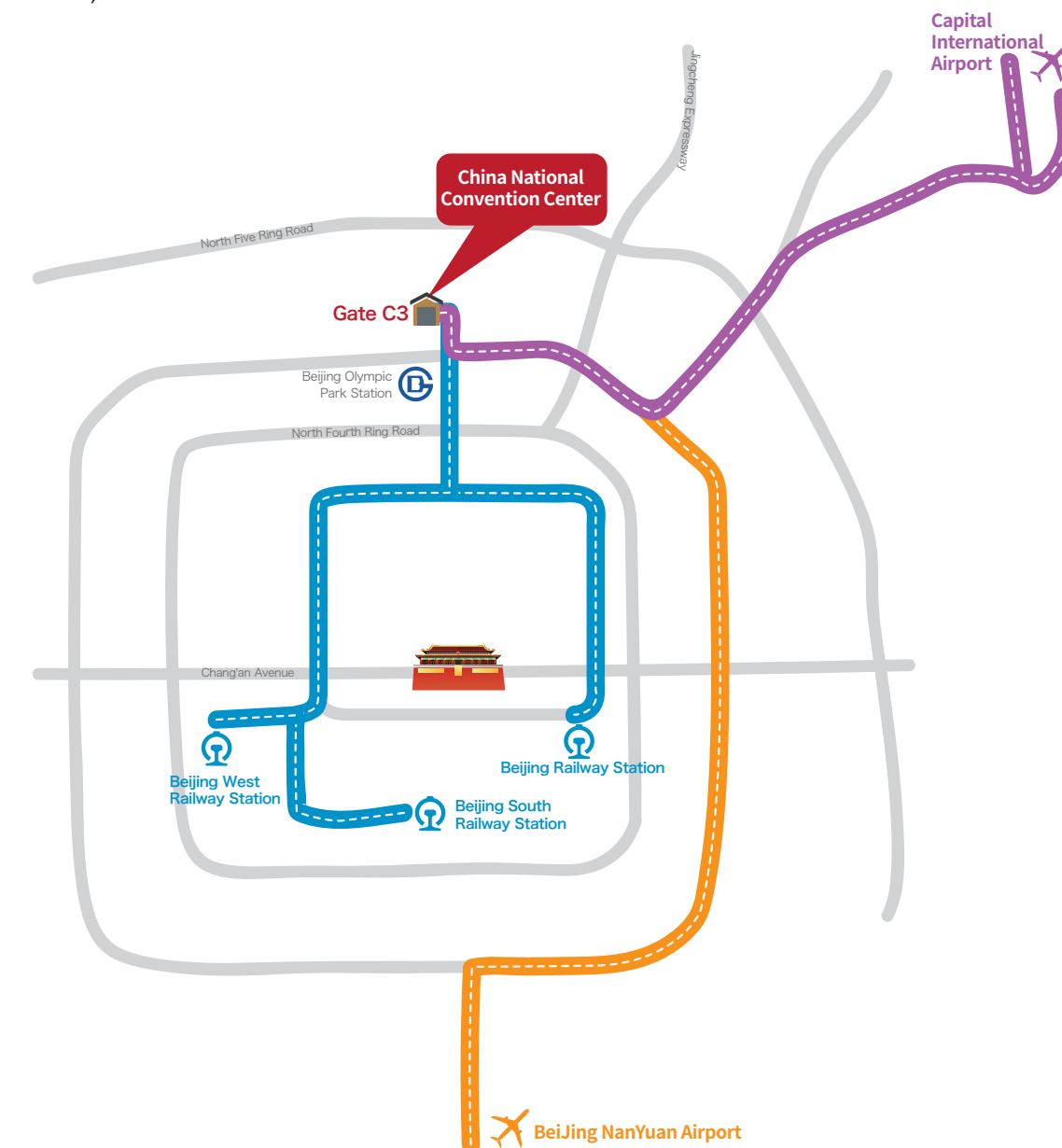
For any enquire related to hotel booking, please go to the information desk for more information.

**Other Information**

- Please carry along your Congress Badge for all Congress activities
- All the copyrights belong to CAOS. No photos, audio and video recording are allowed without committee's permission.
- No distribution of advertisement or academic materials is allowed without committee's permission.
- Please keep the venue clean, take beverages, meals and materials out of the room after meetings.
- Please keep the phone shutdown or in a silent state during the course time.

**Transportation**

The Conference Committee offers picking - up and dropping - off service between China National Convention Center and Capital International Airport which takes about 45 minutes (VIP guests ONLY) .



- Airport
- Train Station
- Subway Station
- China National Convention Center



## AOSpine Advanced Symposium



Yong Qiu  
Chair



Yu Sun  
Executive Chair



Zhuojing Luo  
Educational Advisor

Function Hall A, F1



Moderator : Yu Sun

07:30-07:35	Opening speech ( President of CAOS )	Yan Wang
07:35-07:40	Opening speech ( Chairman of AOSpine China )	Zhuojing Luo
07:40-08:00	Introduction of AOSpine	Yu Sun
08:00-08:20	Research Teaching Modules — How to write a solid paper?	Ze Zhang Zhu
08:20-08:30	Research Teaching Modules — Discussion	

### Session1 Cervical Spine

Moderators : Shiqing Feng, Zhuojing Luo

<b>08:30-09:00</b>	<b>Reoperation for Degenerative Cervical Disc Disease</b>	
08:30-08:35	Case presentation	Huajiang Chen
08:35-08:45	Discussion	All
08:45-08:55	Keynote Speech	Yu Sun
08:55-09:00	Result of the Case	Huajiang Chen
<b>09:00-09:30</b>	<b>Reoperation for Cervical OPLL</b>	
09:00-09:05	Case Presentation	Feifei Zhou

09:05-09:15	Discussion	All
09:15-09:25	Keynote Speech	Wen Yuan
09:25-09:30	Result of the Case	Feifei Zhou
<b>09:30-10:00</b>	<b>Unplanned Operation in Cervical Degenerative Disease</b>	
09:30-09:35	Case Presentation	Da He
09:35-09:45	Discussion	All
09:45-09:55	Keynote Speech	Feng Li
09:55-10:00	Result of the Case	Da He
10:00-10:15	Tea Break	

### Session2 Management of Complicated Lumbar Diseases

Moderators : Zhuojing Luo, Qiang Qi

10:15-10:30	Case discussion: Degenerative Lumbar Scoliosis with Long Segmental Fixation	Qixin Chen
10:30-10:38	The Principles & Advantages of Individual Treatment	Yueming Song
10:38-10:46	Sagittal Alignment in Degenerative Lumbar Diseases	Bangping Qian
10:46-10:54	Management of Degenerative Lumbar Scoliosis with Osteoporosis	Qiang Qi
10:54-11:02	Risk Evaluation of Coronal Unbalance of Degenerative Lumbar Scoliosis & Its Management	Zhengxu Ye
11:02-11:10	Postoperative ASD: Knowledge, Management, Prevention	Yong Hai
11:10-11:18	New Techniques & Skills for Treating Degenerative Lumbar scoliosis	Yu Liang
11:18-11:30	Discussion & Summary	Zhuojing Luo Qiang Qi
11:30-13:00	Lunch	

### Session3 Revision of Spinal Deformity

Moderators : Dingjun Hao, Guohua Lv

13:00-13:10	Revision of Postoperative Coronal Decompensation in Scoliosis: Strategies and Complications	Yong Qiu
13:10-13:20	Causes and Strategies of Revision after Hemivertebral Resection	Jianguo Zhang
13:20-13:30	Revision Strategies of AS-associated Kyphosis	Zheng Wang
13:30-13:40	Causes of Reoperation in Thoracolumbar Angular Kyphosis	Weishi Li
13:40-13:50	Failure of Kyphoscoliosis Treatment with Osteotomy: Classification and Solution	Ze Zhang Zhu
13:50-14:00	Management of Neurological Complication after Scoliosis Surgery	Jianxiong Shen
14:00-14:10	Causes and Solutions of PJK after Traditional Growing Rod Treatment in EOS	Bing Wang
14:10-14:20	Causes and Strategies of Revision in Spine Deformity	Lei Xia
14:20-14:30	Causes and Strategies of Revision after Congenital Scoliosis Surgery	Huiren Tao
14:30-14:45	Case presentation & Discussion 1	Xiaosheng Ma
14:45-15:00	Case presentation & Discussion 2	Miao Yu

### Session4 Spine Tumor

Moderators : Xiaoguang Liu, Zhen Wang

15:15-15:30	Surgical Staging & Clinical Value of Spine Tumor	Zhen Wang
15:30-15:45	Standardized Surgery of Spine Tumor & Comprehensive Treatment Updates	Zhongjun Liu
15:45-16:05	Case presentation & Discussion 1	Jian Dong
16:05-16:25	Case presentation & Discussion 2	Weibin Sheng
16:25-16:45	Case presentation & Discussion 3	Liang Jiang
16:45-17:05	Case presentation & Discussion 4	Feng Wei
17:05-17:25	Discussion & Conclusion	Xiaoguang Liu, Zhen Wang
17:25-17:30	Closing Remarks	Yong Qiu, Yu Sun

## CAOS-ASIA-ICJR Course



Donald Kastenbaum  
Chair



Yan Wang  
Chair



Guoqiang Zhang  
Executive Chair



Jianbing Ma  
Executive Chair

Function Hall B the First Floor



07:50-8:00	Opening Address	Donald Kastenbaum Yan Wang
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### Session1 Primary THA

Moderators : Donald Kastenbaum, Wei CHAI

08:00-8:10	Total Hip Arthroplasty: Does the Approach Matter?	Donald Kastenbaum
08:10-8:20	How to Get a Stable Hip in Primary THA	Yonggang ZHOU
08:20-8:30	THA for Acute Sub-trochantric Fracture Tips and Tricks	Ibrahim Gado
08:30-8:40	Panel Discussion : Donald Kastenbaum, Stuart Goodman, Ibrahim Gado, Nicolaas Budhiparama, Syed Shahid Noor, Christopher Mow, Cheng-Kung Cheng, Yonggang ZHOU, Wei CHAI, Jinliang WANG, Yunchao SHAO, Wenwei QIAN	

#### CASE DISCUSSION WITH EXPERT

08:40-8:55	Case Discussion 1	Wei CHAI
08:55-9:10	Case Discussion 2	Jinliang WANG
09:10-9:25	Case Discussion 3	Yunchao SHAO
09:25-9:40	Case Discussion 4	Wenwei QIAN

## Session2 Revision THA

Moderators : Donald Kastenbaum, Wei CHAI

09:40-09:50	Revision THR: the Acetabular Side	Stuart Goodman
09:50-10:00	Femoral Reconstruction with Cementless Modular Stems during Revision THA	Yixing ZHOU
10:00-10:10	Periprosthetic Fractures of the Lower Extremities in 2019: Global Trends & Challenges	Nicolaas Budhiparama
10:10-10:20	Dealing with Severe Bone Loss of Acetabulum in Revision THA	Li CAO
10:20-10:30	Retrieval Analysis on Total Hip Arthroplasty	Cheng-Kung Cheng
10:30-10:40	Panel Discussion : Donald Kastenbaum,Stuart Goodman,Ibrahim Gado, Christopher Mow,Nicolaas Budhiparama,Syed Shahid Noor, Cheng-Kung Cheng,Yixin ZHOU,Li CAO,Jianlin ZUO,Guoqiang ZHANG, Huiwu LI,Liang WEN	
CASE DISSCUSION WITH EXPERT		
10:40-10:55	Case Discussion 1	Jianlin ZUO
10:55-11:10	Case Discussion 2	Guoqiang ZHANG
11:10-11:25	Case Discussion 3	Huiwu LI
11:25-11:40	Case Discussion 4	Liang WEN
11:40-12:00	ARTHROPLASTY Vol 1. Launch Ceremony	Arthroplasty Editorial Board Member & Guests invited by ASIA

## Session3 Primary TKA

Moderators : Syed Shahid Noor, Jianbing MA

13:00-13:10	Complex Deformities of Knees in Asian Population Requiring TKA	Syed Shahid Noor
13:10-13:20	Optimizing TKA: What the Future Holds?	Donald Kastenbaum
13:20-13:30	Choosing the Proper Level of Constraint in Primary TKR	Christopher Mow
13:30-13:50	Panel Discussion : Donald Kastenbaum,Stuart Goodman,Ibrahim Gado,Christopher Mow,Nicolaas Budhiparama,Syed Shahid Noor, Cheng-Kung Cheng,Pingyue LI,Eryou FENG,Yuan ZHANG,Xinzhan MAO,Haibin WANG	
CASE DISSCUSION WITH EXPERT		
13:50-14:05	Case Discussion 1	Pingyue LI
14:05-14:20	Case Discussion 2	Eryou FENG
14:20-14:35	Case Discussion 3	Yuan ZHANG
14:35-14:50	Case Discussion 4	Xinzhan MAO
14:50-15:05	Case Discussion 5	Haibin WANG
15:05-15:20	Tea Break	



Session4

Revision TKA

Moderators : Ibrahim Gado, Chuan HE

15:20-15:30	Surgery Prior to Subspecialty Referral for Periprosthetic Knee Infection Reduces the Likelihood of Eradication	Stuart Goodman
15:30-15:40	How to Deal with Failed Revision TKA	Syed Shahid Noor
15:40-15:50	Revision TKA: from Techniques to Principle	Haishan WU
15:50-16:00	Evaluation and Management of Painful TKA	Ibrahim Gado
16:00-16:20	Panel Discussion : Donald Kastenbaum,Stuart Goodman,Ibrahim Gado,Christopher Mow,Nicolaas Budhiparama,Syed Shahid Noor,Haishan WU,Cheng-Kung Cheng,Jie XIE,Hui ZHAO,Lin GUO,Chuan HE,Jianbing MA	
CASE DISSCUSION WITH EXPERT		
16:20-16:35	Case Discussion 1	Jie XIE
16:35-16:50	Case Discussion 2	Hui ZHAO
16:50-17:05	Case Discussion 3	Lin GUO
17:05-17:20	Case Discussion 4	Chuan HE
17:20-17:35	Case Discussion 5	Jianbing MA

Global Trauma Forum-Trauma Course



Theodore Miclau  
Chair



Yan Wang  
Chair



Yun Tian  
Executive Chair

Function Hall C , the First Floor



08:00-08:05	Opening Address	Yan Wang
08:05-08:10	The Concept and Future of IOTA	Yun Tian

Session1

Symposium 1: Pelvic and Acetabular Fracture

Moderators : Shicai Fan、Zhiyong Hou、Ramiro Padilla Gutiérrezors

08:10-08:20	Damage Control in Patients with Unstable Pelvic Fractures	Kees Jan Ponsen
08:20-08:30	External Fixator and Pelvic Clamp in Pelvic Fractures.	Ramiro Padilla Gutiérrez
08:30-08:40	Minimally Invasive Reduction and Fixation of Pelvic Fracture	Hua Chen
08:40-08:50	Acetabulum Fracture Treatment, Tips and Tricks.	Ramiro Padilla Gutiérrez
08:50-09:00	The Role of the Stoppa Approach in Pelvic Ring and Acetabular Fractures	Kees Jan Ponsen
09:00-09:10	Characteristics of Lateral Rectus Abdominis Approach and Its application in complex acetabular fractures	Shicai Fan
09:10-09:20	Injury Mechanism and Reduction Technique of Acetabular Fracture (Ilioinguinal Approach)	Gang Lv
09:20-09:30	Stoppa Approach: Reduction Skills and Prevention of Complications	Zhiyong Hou
09:30-09:40	Indications and Key Points of Lumbar Iliac Fixation for Pelvic Fracture	Chengla Yi
09:40-10:00	Panel Discussion : Stephen Quinnan,Gang Wang , Kun Zhang,Zhong Chen,Shiwen Zhu	
10:00-10:15	Tea Break	

## CAOS-CSRS-NASS Course

### Session2 Symposium 2: Peri-shoulder Fractures

Moderators : Hua Chen、Bing Lu、Reza Firoozabadi

10:15-10:25	Current concepts and evidence of Acromioclavicular Joint Dislocation and its Treatment	Sushrut Babhulkar
10:25-10:35	Case Based Panel Discussion- Clavicular Fracture	Shuquan Guo
10:35-10:45	Use of Carbon Fiber Device in Proximal Humeral Fracture	Achille Contini
10:45-10:55	Case Based Panel Discussion-Proximal Humerus Fracture	Zhan Wang
10:55-11:05	Current Concepts and Evidence of Scapular Fracture and Its Treatment	Bing Lu
11:05-11:15	Case Based Panel Discussion- Scapular Fracture	Dankai Wu
11:15-11:30	Panel Discussion : Walter Virkus, Kun Zhang, Qiugen Wang, Lei Wang , Zhong Chen	
11:30-13:00	Lunch Time	



Jeffrey Wang  
Chair



Yan Wang  
Chair



Yu Sun  
Executive Chair



Yu Zhou  
Executive Chair



Patrick Hsieh  
Executive Chair

Room 3-308,the Third Floor



08:00-08:10	Opening remarks/Welcome	Yan Wang Jeffrey Wang
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### Session1 Controversies in Lumbar Spondylolisthesis

Moderators : Patrick C. Hsieh, Tongwei Chu, Zheng Wang

08:10-08:20	Case Presentation of Lumbar Degenerative Spondylolisthesis	Patrick Hsieh
08:20-08:35	MIS Decompression for Treatment Lumbar Degenerative Spondylolisthesis: Surgical Indication and Patient Selection	John Liu
08:35-08:50	Decompression and Dynamic Stabilization for Treatment of Lumbar Degenerative Spondylolisthesis	Baoge Liu
08:50-09:05	Anterior Lumbar Interbody Fusion for Treatment Lumbar Degenerative Spondylolisthesis	JJ Abitol
09:05-09:20	Posterior Lumbar Decompression and Fusion for Lumbar degenerative Spondylolisthesis	Jeffrey Wang
09:20-09:35	XLIF and Lateral Approaches for Lumbar Degenerative Spondylolisthesis: Surgical Indication and Techniques	Feng Li
09:35-09:50	MIS-TLIF for Treatment of Lumbar Degenerative Spondylolisthesis	Patrick Hsieh
09:50-10:10	Discussions and Questions	
10:10-10:15	Tea Break	

## Session2 Endoscopic Techniques in Spine

Moderators : Jeffrey Wang and Yue Zhou

10:15-10:30	Endoscopic Navagation Techniques in Spine	Yue Zhou
10:30-10:45	Endoscopic Surgery for Degenerative Spondylolisthesis	Changqing Li
10:45-11:00	Endoscopic Surgery for the Cervical Spine	Xiaoian Ye
11:00-11:15	Endoscopic Surgery for Spinal Stenosis	Jixian Qian
11:15-11:30	Endoscopic Surgery for Lumbar Herniated Discs	Bolai Chen
11:30-11:45	Endoscopic Surgery for Thoracic Discs and Thoracic Stenosis	Zhenzhou Li
11:45-12:00	Discussion	
12:00-13:30	Lunch Time	

## Session3 Cervical Degeneration

Moderators : Jeffrey Wang and Yu Sun

13:30-13:35	Case Presentation - Cervical 2-level Disc Herniation	Jeffrey Wang
13:35-13:50	Argument for ACDF: Evidence, Graft Choices, Results	Wen Yuan
13:50-14:05	Complications of ACDF and How to Treat Complications	Patrick Hsieh
14:05-14:20	Argument for Cervical Disc Arthroplasty: Evidence, Results	Yu Sun
14:20-14:35	"Complications of Cervical Disc Arthroplasty and How to Treat Complications"	JJ Abitbol
14:35-14:40	Argument for MIS Cervical Foraminotomies: Evidence, Results, and complications, and How to Treat Complications	John Liu
14:40-15:20	Discussion of Case and Multiple Case Examples	
15:20-15:35	Tea Break	

## Session4 Cervical Myelopathy

Moderators : JJ Abitbol and Wen Yuan

15:35-15:45	Case Presentation - Cervical Myelopathy with Neutral or Slightly Kyphotic Alignment	JJ Abitbol
15:45-16:00	Argument for Anterior Approaches: Evidence, Graft Choices, Results	Peng Cao
16:00-16:15	Argument for Posterior Laminectomy and Fusion: Evidence, Techniques, Results	John Liu
16:15-16:30	Argument for Cervical Laminoplasty: Evidence, Techniques, Complications	Feifei Zhou
16:30-16:45	Complications with Anterior Cervical Surgery	Jeffrey Wang
16:45-17:00	Complications with Posterior Cervical Surgery	Patrick Hsieh
17:00-17:30	Discussion of Case and Case Examples	



## CAOS-AAOS Trauma Course



**Qiugen Wang**  
Chair



**Walter Virkus**  
Chair

Function Hall B , the First Floor



Moderators : Jianhong Wu、Dake Tong

08:00-08:05 Opening Speech Qiugen Wang, Yan Wang

### Session1

Moderators : Jianhong Wu、Dake Tong

08:05-08:25	Treatment of Malunions	Stephen Quinnan
08:25-08:45	Treatment of Bone Loss	Stephen Quinnan
08:45-09:05	Periprosthetic Fractures	Walter Virkus
09:05-09:25	Reconstruction of Infective Bone Defect by Tissue Stretching Technique	Chengke Qin
09:25-09:45	Discussion	
09:45-09:50	Tea Break	

### Session2

Moderators : Chengke Qin、Xinzhong Xu

09:50-10:10	Femoral Neck Fractures	Reza Firoozabadi
10:10-10:30	Intertrochanteric Fractures	Walter Virkus
10:30-10:45	Medial Buttress Plate for Vetricle Unstable Femoral Neck Frature Treatment -Why and How	Ye Ye
10:45-11:00	Recognition of TAD In the Intertrochanteric Fractures Treated with Intramedullary Nails	Jianhong Wu
11:00-11:15	Treatment of Butterfly Fragments in Femoral Shaft Fracture	Dake Tong
11:15-11:30	Discussion	
11:30-13:00	Lunch Time	

### Session3

Moderators : Hua Chen、Jian Lin

13:00-13:20	Distal Femoral Nailing	Stephen Quinnan
13:20-13:40	Tibial Plateau Fractures	Reza Firoozabadi
13:40-13:55	Cause Analysis of Femoral Neck Nonunion and A New Treatment Protocol	Hua Chen
13:55-14:10	Revision Strategy after Failure of Internal Fixation for Intertrochanteric Fracture	Xinzhong Xu
14:10-14:25	Managing Ipsilateral Tibia Plateau and Diaphyseal Fracture with IMN	Yuneng Li
14:25-14:45	Proximal Tibia Nailing	Stephen Quinnan
14:45-15:10	Discussion	
15:10-15:20	Tea Break	

# Session4

Moderators : Yuneng Li、Ye Ye

15:20-15:40	ORIF of Pilon Fractures	Walter Virkus
15:40-16:00	IM Nailing of Distal Tibia Fractures	Walter Virkus
16:00-16:20	Challenging Ankle Fractures	Reza Firoozabadii
16:20-16:40	the Fixation Choice for Inferior Tibiofibular Union Injury	Jian Lin
16:40-17:00	Treatment of Talus Fractures	Reza Firoozabadi
17:00-17:30	Discussion	

# CAOS-APSFAS Course



Kanglai Tang  
Chairs

Room F2-210AB , the Second Floor



08:00-08:10	Opening Address	Kanglai Tang
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# Session1

Moderators : Jianzhong Zhang、Kanglai Tang

08:10-08:30	Can We Expand the Indication for Total Ankle Arthroplasty to Patients with Severe Deformity?	Keun-Bae Lee
08:30-08:50	Repair or Reconstruction of Insertional Achilles Tendinopathy	Kanglai Tang
08:50-09:10	Arthroscopy Assisted Anatomical Reconstruction Using Double Strands Gracilis Tendon for the Lateral Ankle	Ozeki Satoru
09:10-09:30	Operative Options for Rigid Flatfoot	Jianzhong Zhang
09:30-09:50	A 360° Approach to Cerebral Palsy with Foot Deformities	Akhilendra Varma
09:50-10:00	Discussion	
10:00-10:10	Tea Break	

## Session2

Moderators : Xin Ma、Xiangyang Xu

10:10-10:30	Ankle Arthroplasty for Varus Deformity	Xiangyang Xu
10:30-10:50	Distraction Arthroplasty Treatment for Ankle Arthritis	Yong-wook Park
10:50-11:10	Method and Effect of Ankle Arthrodesis	Xin Ma
11:10-11:30	Dome Osteotomy of the Distal Tibia	Woo-chun Lee
11:30-11:50	How to Deal with Complex Adult Flatfoot	Xiaojun Liang
11:50-12:00	Discussion	
12:00-13:00	Lunch Time	

## Session3

Moderators : Xiaojun Liang、Weidong Song

13:00-13:20	Arthroscopic Subtalar Arthrodesis	Weidong Song
13:20-13:40	Subtalar Reconstruction with Semi T	Hong-Geun Jung
13:40-14:00	Arthroscopic Brostrom in the Treatment of Chronic Lateral Ankle Instability	Hailin Xu
14:00-14:20	Insertional and Noninsertional Achilles Tendinopathy	Nikesh Shah
14:20-14:40	Treatment Strategy of Osteochondral Lesions of the Talus	Yuelin Hu
14:40-15:00	Stress Fractures of Foot and Medial Tibial Stress Syndrome in Sporting Injuries	S.S. JHA
15:00-15:10	Discussion	
15:10-15:20	Tea Break	

## Session4

Moderators : Hailin Xu, Xu Tao

15:20-15:40	Scarf osteotomy for Hallux Valgus	Chris Pearce
15:40-16:00	Treatment of Old Ankle Fractures	Yunfeng Yang
16:00-16:20	Ankle Arthritis and Treatment Options	Maneesh Bhatia
16:20-16:40	Perplexity and Thinking of Supracondylar osteotomy	Zhongmin Shi
16:40-17:00	Treatment of Old Calcaneal Fractures	Xudong Miao
17:00-17:20	Is the Arthrodesis Easy After Total Ankle Replacement Failure	Yong Wu
17:20-16:40	Arthroscopic Microfracture for Scaphoid Stress Fracture and Osteochondral defect	Xu Tao
17:40-18:00	Discussion	





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