

AO Trauma Hybrid Masters Course— **Fracture Around the Ankle**

November 6-7, 2021

Virtual classroom

Australia, China, Japan, Malaysia, Singapore, South Korea, Sri-Lanka,
Taiwan, Thailand
November 6-7, 2021

EVENT PROGRAM

Face to face hands-on workshops

India: Bangalore, Chardigarh, Kolkata, Mumbai
November 6-7, 2021

Face to Face cadaver workshops

Shanghai, China and Bangalore, India
November 7, 2021



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Mission

The AO's mission is promoting excellence in patient care and outcomes in trauma and musculoskeletal disorders.

Purpose statement

AO Trauma is committed to improve patient care outcomes through the highest quality education. We strive to combine the right knowledge and surgical skills that empower the orthopedic and trauma surgeons to put theory into practice and to improve fracture management for the benefit of the patient.

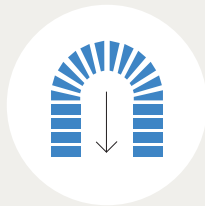
The AO principles of fracture management

1



Fracture reduction and fixation to restore anatomical relationships.

2



Fracture fixation providing absolute or relative stability, as required by the “personality” of the fracture, the patient, and the injury.

3



Preservation of the blood supply to soft-tissues and bone by gentle reduction techniques and careful handling.

4



Early and safe mobilization and rehabilitation of the injured part and the patient as a whole.

Welcome

Dear AO Trauma course participant,

We are honored to welcome you to the AO Trauma Hybrid Masters Course—Fracture Around the Ankle. We hope you will enjoy your course and the entire experience.

What is AO Trauma? We are a “clinical division”—a community for trauma and orthopedics within the AO Foundation. As a clinical division we aim to integrate and align applied and clinical research, education, and community development functions into one direction—AO Trauma for the benefit of our members, stakeholders, and patients.

How can AO Trauma benefit you? By working as a single team, we focus and leverage our resources, expertise, and skills to create and deliver new and greater value to our members.

Why join AO Trauma? Joining AO Trauma means you are part of the trauma and orthopedic community within the AO. AO Trauma will help you develop lifelong friendships and relationships. We will help you access our “knowledge network” and take part in new opportunities that advance trauma care.

Yours sincerely,



Mark Reilly
Chairperson AO Trauma
Education Commission



Michael Baumgaertner
Chairperson AO Trauma
International Board

If you enjoy the experience during your course and would like to stay in touch with the organization and its international network of surgeons, we invite you to become a member of AO Trauma. The benefits of membership, including options to get involved in new opportunities that advance trauma care are described at www.aotrauma.org.

Course description

This is a Hybrid two-day course to discuss Complex Trauma around the Ankle. The event is online in most countries of the Asia Pacific region, but would have a hands-on element in areas where it is physically possible for participants to meet and interact. This course is divided into multiple modules discussing ankle fractures, pilon fractures, talus injuries and complications of these injuries.

After each module, the participants will be divided into small groups to discuss cases with a group of top-notch faculties. In countries where physical interactions are possible, the participants would also participate in hands on exercises in the latter half of the day.

Course structure

This online course is delivered on 2 consecutive days on November 6-7 (different modules each day consisting of lectures and small group discussion). Face to face workshops and Cadaver workop will be held in China and India. Participants who join virtually will receive certificate if they have attended at least 70% of the whole course.

Goal of the course

This is a specialized course, and belongs to the Advanced/Masters course category. This covers the current concepts and techniques on how to recognize, characterize and treat complex injuries around the ankle.

Target participants

Specialized orthopedic surgeons and senior trainees interested in advancing their expertise in the management of foot and ankle injuries. Participants must have already completed the AO Trauma Principles course. Participants must be willing to share their ideas and be able to communicate well in English.

Learning objectives

After successful completion of this event, participants should be able to:

- Describe the assessment tools for complex fractures around the ankle
- Formulate and apply the principles to treat trauma of the ankle, talus and distal tibia
- Prevent, identify, and treat complications and recognize long-term outcomes
- Define appropriate treatment options for complications after Injuries around the ankle

Chairperson



Mandeep Dhillon

Post Graduate Institute of Med Education & Research
Chardigarh, India

International Faculty

Ossama El Shazly

Egypt

Panagiotis Symeonidis

Greece

Regional Faculty

Andrew Oppy

Australia

Les Grujic

Australia

Toru Sato

Japan

Khairul Mohammad

Malaysia

Siddharth Sharma

India

Sandeep Patel

India

Rajiv Shah

India

Keen Wai Chong

Singapore

Keun-Bae Lee

South Korea

Matt Tomlinson

New Zealand

Local Faculty

China

Wang Xu

Shanghai

Yang Yunfeng

Shanghai

Shi Zhongmin

Shanghai

Yong Wu

Beijing

India

Rajesh Simon

Bangalore

Shiv Manik Ajoy

Bangalore

Sampat Dumbre-Patil

Bangalore

Sundararajan Silvampatti

Bangalore

Siddhartha Sharma

Chandigarh

Sandeep Patel

Chandigarh

Ankit Khurana

Chandigarh

Sudhir Kumar

Kolkata

Kumar Shantanu Anand

Kolkata

Kushal Nag

Kolkata

Sandeep Biswal

Kolkata

Abhijeet Bandhopadhy

Kolkata

Rajiv Shah

Mumbai

Pradeep Moonot

Mumbai

Abhishek Kini

Mumbai

Gurunath Wachche

Mumbai

Local Faculty

Japan

Toru Sato	Japan
Kentaro Futamura	Japan
Takashi Miyamoto	Japan
Masanori Yorimitsu	Japan
Naofumi Shiota	Japan
Kentaro Matsui	Japan
Tomoyuki Noda	Japan
Tomohiro Matsumura	Japan

Malaysia

Khairul Mohammad	Malaysia
Rukmanikanthan Shanmugam	Malaysia
Chua Yeok Pin	Malaysia
Thong Fu Yuen	Malaysia

South Korea

Kyu-Tae Hwang	South Korea
Hoon-Sang Sohn	South Korea
Jun-Young Lee	South Korea
Hyoung-Keun Oh	South Korea

Taiwan

Yan-Yu Chen	Taiwan
Chao-Ching Chiang	Taiwan
Pei-Yu Chen	Taiwan
Chen-Chie Wang	Taiwan
Chi-Lung Chen	Taiwan
Sheng-Pin Lo	Taiwan
Yi-Jiun Chou	Taiwan
Shu-lung Chen	Taiwan
Yi-Cheng Cho	Taiwan

Thailand

Tanawat Vaseenon	Thailand
Thanut Valleenukul	Thailand
Theerawoot Tharmviboonsri	Thailand
Korakot Maliwankul	Thailand
Pongpol Petchkum	Thailand

Sri Lanka

Sunanda Udagedara	Sri Lanka
Thayasivam Gobyshanger	Sri Lanka
Dilshan Munidasa	Sri Lanka
Kanapathipillai Umapathy	Sri Lanka

Saturday

November 6, 2021 (GMT+8 hours Hong Kong Time)

Virtual classroom

Australia, China, Japan, Malaysia, Singapore, South Korea, Sri-Lanka, Taiwan, Thailand

10:00-10:10	Welcome and introduction to course	Mandeep Dhillon
	Session 1: Malleolar Fractures	
10:10-10:25	Fixation of Malleolar Fractures - Lat and medial malleolus	Les Grujic
10:25-10:40	Ankle Fractures - What have we learnt from Crossbat?	Andrew Oppy
10:40-10:55	Posterior Malleolus Fractures - Where do we stand today?	Panagiotis Symeonidis
10:55-11:10	Operative approaches; PM and PL	Sandeep Patel
11:10-11:15	Discussion	All Faculty
11:15-11:30	Coffee Break	
	Ready for break out session	
11:30-12:30	Case Discussion 1: Unstable Malleolar Fractures	All Faculty
	Session 2: Syndesmosis	
12:30-12:40	Understanding syndesmosis anatomy	Toru Sato
12:40-12:55	Syndesmosis Fixation - How I do it	Keun-Bae Lee
12:55-13:10	Syndesmosis Fixation - Unusual syndesmosis injuries	Mandeep Dhillon
13:10-13:25	Management of syndesmosis injury complications	Panagiotis Symeonidis
13:25-14:10	Lunch	
	Ready for break out session	
14:10-15:10	Case Discussion 2: Syndesmosis Injuries	All Faculty
	Session 3: Pilon Injuries	
15:10-15:25	Incision choices and placement	Khairul Mohammad
15:25-15:40	Plating for Pilon Fractures - When and how?	Andrew Oppy
15:40-15:55	Nailing for Pilon Fractures - When and how?	Toru Sato
15:55-16:10	Pilon with bone loss	Khairul Mohammad
16:10-16:15	Discussion	All Faculty
16:15-16:30	Coffee Break	
	Ready for break out session	
16:30-17:30	Case Discussion 3: Pilon Fractures	All Faculty
17:30-17:35	Summary of Day 1 & End of Day 1 Online Session	Mandeep Dhillon

Sunday

November 7, 2021 (GMT+8 hours Hong Kong Time)

Virtual classroom

Australia, China, Japan, Malaysia, Singapore, South Korea, Sri-Lanka, Taiwan, Thailand

09:30-10:00	Review of Day 1 & Questions	All Faculty
	Session 4: Intra Articular Injuries	
10:00-10:15	Osteochondral injuries of talus	Ossama El Shazly
10:15-10:30	Role of arthroscopy in ankle injuries	Keen Wai Chong
10:30-10:45	Talus neck fracture - Methods of fixation	Siddhartha Sharma
10:45-11:00	Talus body fracture - How to fix it	Keen Wai Chong
11:00-11:05	Discussion	All Faculty
	Ready for break out session	
11:05-12:05	Case Discussion 4: Talus injuries	All Faculty
12:05-12:20	Coffee Break	
	Session 5: Complex Situations & Complications	
12:20-12:35	Fragility and diabetic fractures of the ankle	Ossama El Shazly
12:35-12:50	Ankle Malunion - What can we do?	Rajiv Shah
12:50-13:05	The Extruded Talus - Save it or remove it?	Siddharth Sharma
13:05-13:20	Managing talus malunion	Mandeep Dhillon
13:20-13:35	Ankle Fusion: What is best today?	Les Grujic
13:35-13:50	Discussion	All Faculty
13:50-14:35	Lunch Symposium: Calcaneal Fractures – Insights to surgical treatment options including the Sinus Tarsi approach	Matt Tomlinson
	Ready for break out session	
14:35-15:35	Case Discussion 5: Management of Complications	All Faculty
15:35-15:50	Short break before moving into practical exercises session	
15:50-16:50	Hands on session: Expert HAN (Bangalore, Chandigarh, Kolkata, Mumbai)	
16:50-17:30	Coffee Break	
17:30-18:30	Cadaver Workshop in Bangalore	
18:30-18:40	Summary of Day 2 & End of Course	Mandeep Dhillon

Saturday

November 6, 2021 (GMT+5:30 hours Indian Time)
India (Bangalore, Chardigarh, Kolkata, Mumbai)

07:30-07:40	Welcome and introduction to course	Mandeep Dhillon
	Session 1: Malleolar Fractures	
07:40-07:55	Fixation of Malleolar Fractures - Lat and medial malleolus	Les Grujic
07:55-08:10	Ankle Fractures - What have we learnt from Crossbat?	Andrew Oppy
08:10-08:25	Posterior Malleolus Fractures - Where do we stand today?	Panagiotis Symeonidis
08:25-08:40	Operative approaches; PM and PL	Sandeep Patel
08:40-08:45	Discussion	All Faculty
08:45-09:00	Coffee Break	
	Ready for break out session	
09:00-10:00	Case Discussion 1: Unstable Malleolar fractures	All Faculty
	Session 2: Syndesmosis	
10:00-10:10	Understanding Syndesmosis anatomy	Toru Sato
10:10-10:25	Syndesmosis Fixation - How I do it	Keun-Bae Lee
10:25-10:40	Syndesmosis Fixation - Unusual syndesmosis injuries	Mandeep Dhillon
10:40-10:55	Management of syndesmosis injury complications	Panagiotis Symeonidis
10:55-11:40	Case Discussion 2: Syndesmosis Injuries	All Local Faculty
11:40-12:40	Lunch	
	Session 3: Pilon Injuries	
12:40-12:55	Incision choices and placement	Khairul Mohammad
12:55-13:10	Plating for Pilon Fractures - When and how?	Andrew Oppy
13:10-13:25	Nailing for Pilon Fractures - When and how?	Toru Sato
13:25-13:40	Pilon with bone loss	Khairul Mohammad
13:40-13:45	Discussion	All Faculty
13:45-14:00	Coffee Break	
	Ready for break out session	
14:00-15:00	Case Discussion 3: Pilon fractures	All Faculty
15:00-15:05	Summary of Day 1	Mandeep Dhillon
15:05-16:35	Hands on session: Bangalore, Chandigarh, Kolkata, Mumbai VA Ankle System	
16:35	End of Day 1	

Sunday

November 7, 2021 (GMT+5:30 hours Indian Time)
India (Bangalore, Chardigarh, Kolkata, Mumbai)

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	Session 4: Intra articular injuries	
07:30-07:45	Osteochondral injuries of talus	Ossama El Shazly
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09:35-09:50	Coffee Break	
	Session 5: Complex Situations & Complications	
09:50-10:05	Fragility and diabetic fractures of the ankle	Ossama El Shazly
10:05-10:20	Ankle Malunion - What can we do?	Rajiv Shah (Mumbai)
10:20-10:35	The Extruded Talus - Save it or remove it?	Siddharth Sharma
10:35-10:50	Managing talus malunion	Mandeep Dhillon
10:50-11:05	Ankle Fusion - What is best today?	Les Grujic
11:05-11:20	Discussion	All Faculty
11:20-12:20	Case Discussion 5: Management of complications	All Local Faculty
12:20-13:20	Lunch	
13:20-14:20	Hands on session: Expert HAN (Bangalore, Chandigarh, Kolkata, Mumbai)	Mandeep Dhillon
14:20-15:00	Coffee Break	
15:00-16:00	Cadaver Workshop (Bangalore)	
16:00-16:10	Summary of Day 2 & End of Course	

Saturday

November 6, 2021 (GMT+8 hours China Time)
Shanghai, China

10:00-10:10	Welcome and introduction to course	Mandeep Dhillon
	Session 1: Malleolar Fractures	
10:10-10:25	Fixation of Malleolar Fractures - Lat and medial malleolus	Les Grujic
10:25-10:40	Ankle Fractures - What have we learnt from Crossbat?	Andrew Oppy
10:40-10:55	Posterior Malleolus Fractures - Where do we stand today?	Panagiotis Symeonidis
10:55-11:10	Operative approaches; PM and PL	Sandeep Patel
11:10-11:15	Discussion	All Faculty
11:15-11:30	Coffee Break	
11:30-12:30	Case Discussion 1: Unstable Malleolar Fractures	Wang Xu Shi Zhongmin Yang Yunfeng
	Session 2: Syndesmosis	
12:30-12:40	Understanding syndesmosis anatomy	Toru Sato
12:40-12:55	Syndesmosis Fixation - How I do it	Keun-Bae Lee
12:55-13:10	Syndesmosis Fixation - Unusual syndesmosis injuries	Mandeep Dhillon
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17:30-17:35	Summary of Day 1 & End of Day 1 Online Session	Mandeep Dhillon

Sunday

November 7, 2021 (GMT+8 hours China Time)
Shanghai, China

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13:05-13:20	Managing talus malunion	Mandeep Dhillon
13:20-13:35	Ankle Fusion: What is best today?	Les Grujic
13:35-13:50	Discussion	
13:50-14:00	Introduction to the lab and preparation	Wang Xu
14:00-14:30	Anterior exposures Demo: Pilon fractures	Wang Xu
14:30-15:00	Posterior exposures Demo: Pilon fractures	Shi Zhongmin
15:00-16:00	Practice: Pilon fractures	All Local Faculty & Table Instructors
16:00-16:40	Conventional extensile L shape approach & Minimally invasive approach Demo: Calcaneal Fracture	Yang Yunfeng
16:40-16:50	HCS Demo	Yang Yunfeng
16:50-17:50	Practice: Calcaneal Fracture	All Local Faculty & Table Instructors
17:50-18:00	Summary of Day 2 & End of Course	

Event organization

AO Global Networks Team

AO Asia-Pacific Limited
Unit 1310-11, Tower 1, Millennium City 1,
388 Kwun Tong Road,
Kowloon, Hong Kong

Ms. Beatrice Mak
Email: beatrice.mak@aofoundation.org

Ms. Iris Lam
Email: iris.lam@aofoundation.org

Participant information and contact

Mr. Lukas Luk
Email: lukas.luk@aofoundation.org

AO funding sources

Unrestricted educational grants from different sources are collected and pooled together centrally by the AO. All events are planned and scheduled by local and regional AO surgeon groups based on local needs assessments. We rely on industrial commercial partners for in-kind support to run simulations and/or skills training if educationally necessary.

Venue

Venue in China

November 6, 2021
Meeting Room I+II, 3rd Floor, Building A, Ramada Shanghai
Caohejing Hotel
Address: No. 509 Caobao Road, Xuhui District, Shanghai,
China

November 7, 2021
Clinical Skills Training Center, 2nd floor, Gate No. 9
Emergency Medical Treatment Building, Shanghai Huashan
Hospital

Venue in India

M S Ramaiah Medical College, Bangalore
Address: M S Ramaiah Nagar, MSRIT Post, Bangalore,
560054

Hyatt Regency, Chandigarh
Address: 178, Industrial Area Phase I, Chandigarh, 160002

Courtyard by Marriott Mumbai International Airport, Mumbai
Address: Cts 215, Andheri - Kurla Rd, opposite Carnival
Cinemas, Andheri East, Mumbai, 400059

Fairfield by Marriott, Kolkata
Address: Cb 218, CB Block (Newtown), Action Area 1C,
Newtown, Kolkata, 700156

Event information

Evaluation guidelines

All AO Trauma events apply the same evaluation process, which includes pre- and post-event online evaluation and on-site written questionnaires. These evaluation tools help ensure that AO Trauma continues to meet your training needs.

Intellectual property

Event materials, presentations, and case studies are the intellectual property of the event faculty. All rights are reserved. For more information, please see: www.aofoundation.org/legal.

Recording, photographing, or copying lectures, practical exercises, case discussions, or any event materials is strictly forbidden. Participants violating intellectual property will be dismissed.



The AO Foundation reserves the right to film, photograph, and audio record during its events. Participants must understand that in this context they may appear in these recorded materials. The AO Foundation assumes participants agree that these recorded materials may be used for the AO's marketing and other purposes, and that they may be made available to the public.

Security

Security checks will be conducted at the building entrance. Wearing a name tag is compulsory at all times in the congress center and hospital.

Insurance

The event organization does not take out insurance to cover any individual against accident, theft, or other risks.

Use of mobile phones

Use of mobile phones is not permitted in the lecture halls or in other rooms during educational activities except that it is used for evaluation. Please be considerate of others by turning off your mobile phone.

Principles of AO educational events

1. Academic independence

Development of all curricula, design of scientific event programs, and selection of faculty are the sole responsibilities of volunteer AO network surgeons.

All education is planned based on needs assessment data, designed and evaluated using concepts and evidence from the most current medical education research, and reflects the expertise of the AO Education Institute (www.aofoundation.org).

Industry participation is not allowed during the entire curriculum development and planning process to ensure academic independence and to keep content free from bias.

2. Compliance to accreditation and industry codes

All planning, organization, and execution of educational activities follow existing codes for accreditation of high-quality education:

- Accreditation Criteria of the Accreditation Council for Continuing Medical Education, US (www.accme.org)
- ACCME Standards for Commercial Support: Standards to Ensure Independence in CME Activities (www.accme.org)
- Criteria for Accreditation of Live Educational Events of the European Accreditation Council for Continuing Medical Education (www.uems.eu)

Events that receive direct or indirect unrestricted educational grants or in-kind support from industry also follow the ethical codes of the medical industry, such as:

- Eucomed Guidelines on Interactions with Healthcare Professionals (www.medtecheurope.org)
- Advamed Code of Ethics on Interactions with Health Care Professionals (advamed.org)
- Mecomed Guidelines on Interactions with Healthcare Professionals (www.mecomed.org)

3. Branding and advertising

No industry logos or advertising (apart from the AO Foundation and its clinical divisions) are permitted in the area where educational activities take place.

Sponsors providing financial or in-kind support are allowed to have a promotional booth or run activities outside the educational area with approval from the event chairperson.

4. Use of technologies and products in simulations

In case simulations are chosen as an educational method to educate skills, we only use technology approved by the AO Technical Commission—a large independent group of volunteer surgeons developing and peer reviewing new technology.

More information about the AO Technical Commission and its development and approval processes can be found on the AO's website: www.aofoundation.org.

5. Personnel

Industry staff members are not permitted to interfere with the educational content or engage in educational activities during the event.

AO Trauma membership

Driving excellence and empowering the next generation

Apply

for membership
www.aotrauma.org



Discover the advantages of joining the leading global trauma and orthopedic community, providing its members with education, research, and networking opportunities worldwide. **Join us and share your passion.**



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AO
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