



The AO world

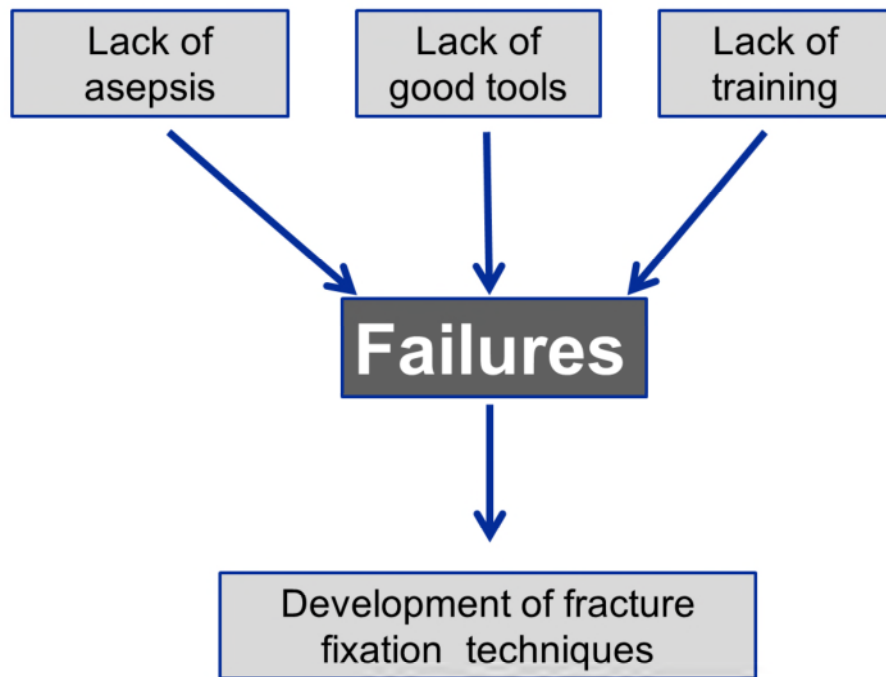
From history to lifelong learning

AO Trauma Principles Course for ORP

Nikolaus Renner

Past-president AO Foundation

History



AO

AO Foundation

Arbeitsgemeinschaft für Osteosynthesefragen



Maurice E Müller | Martin Allgöwer | Hans Willenegger | Robert Schneider | Walter Bandi

1958 | Swiss association | 13 members

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Speaker notes:

On November 6, 1958 the AO Foundation was founded by a group of Swiss surgeons.

This group of Swiss surgeons came together to champion revolutionary techniques of internal fixation that achieved unprecedented results in healing bone fractures.

Defying conventional wisdom, the group expanded the practices and philosophy of the organization, known as the Arbeitsgemeinschaft für Osteosynthesefragen (Association for the Study of Internal Fixation) or AO.

Today the AO Foundation is a global organization synonymous with excellence in surgical techniques and advancing patient care.

The AO Founders revolutionized surgery.

Motivation?—Unsatisfactory results!

Workmen's compensation insurance (SUVA) 1945:

- Tibial shaft fractures 40%
- Femoral shaft fractures 70%



Baur E.: Zur Therapie der geschlossenen Unterschenkelfrakturen. Schweiz. Unfallversicherungsanstalt, Mitteilungen 39, 1959

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Medical revolution

The four AO principles

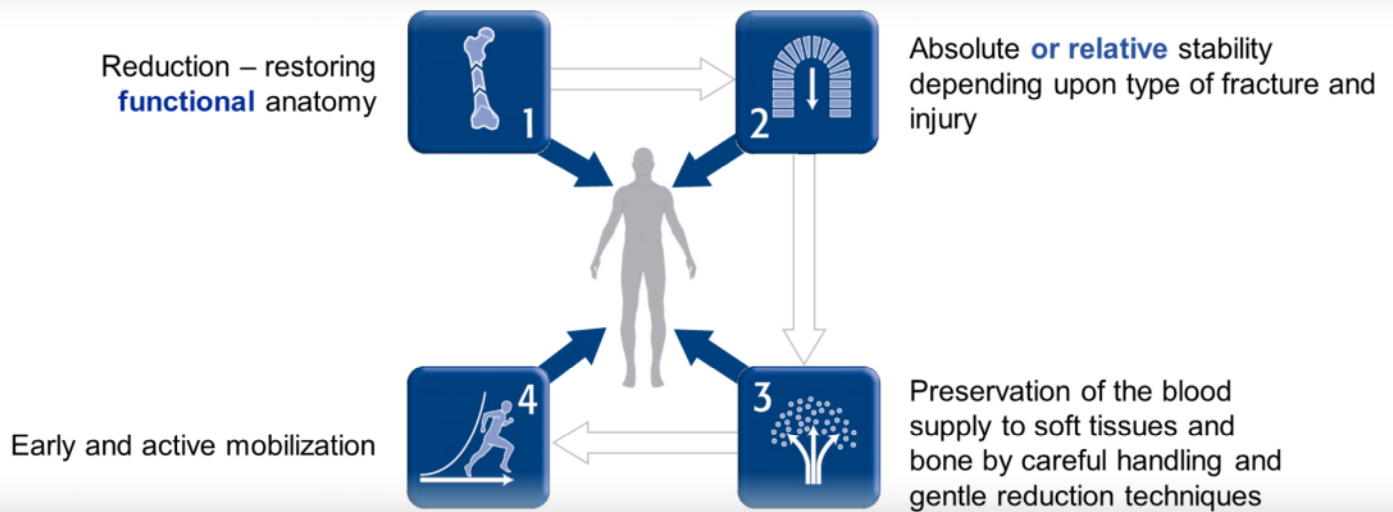
- Early mobilization
- Anatomical reduction
- Stable fixation (direct bone healing)
- Careful soft-tissue handling (blood supply)



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The four AO principles

Evolution into today's global gold standard



Four pillars of success



ARI

AO Research Institute



AO TC

Technical Commission



AO CID

Clinical investigation
and documentation



AO EI

AO Education Institute



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EDUCATION

Priority #1

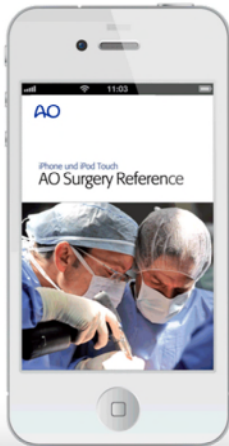


66%
of total
funds

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AO Education Institute—How to stay best in class

**High quality
content**



**High quality
faculty**



**Access and
delivery**



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Addressing lifelong learning

Residency

AO Trauma Courses

- Basic
- Advanced principles of fracture management

Start of practice

- Masters
- Current concepts

Growing
specialization

Expertise

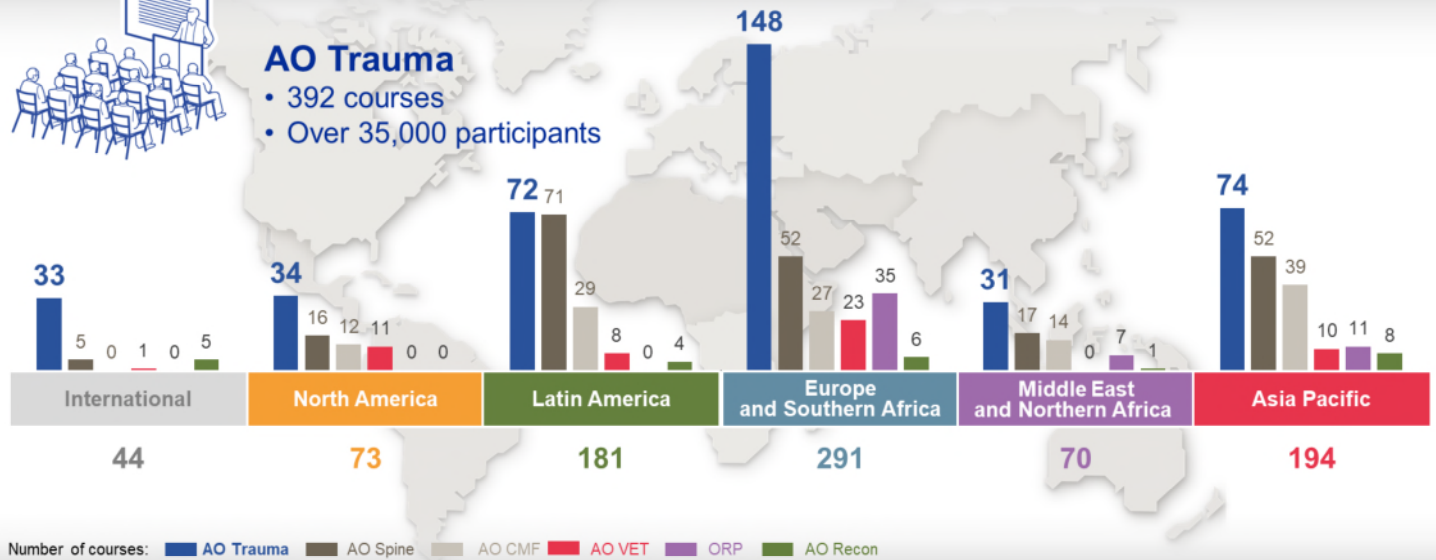
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AO courses worldwide 2018



AO Trauma

- 392 courses
- Over 35,000 participants



Three underlying basic concepts

1

Backwards-planned educational activities



Competency

- Knowledge
- Skills
- Attitude

2

Competency-driven curricula development



Curriculum – defines all learning activities & outcomes

- Faculty development
- Resources (learning material)

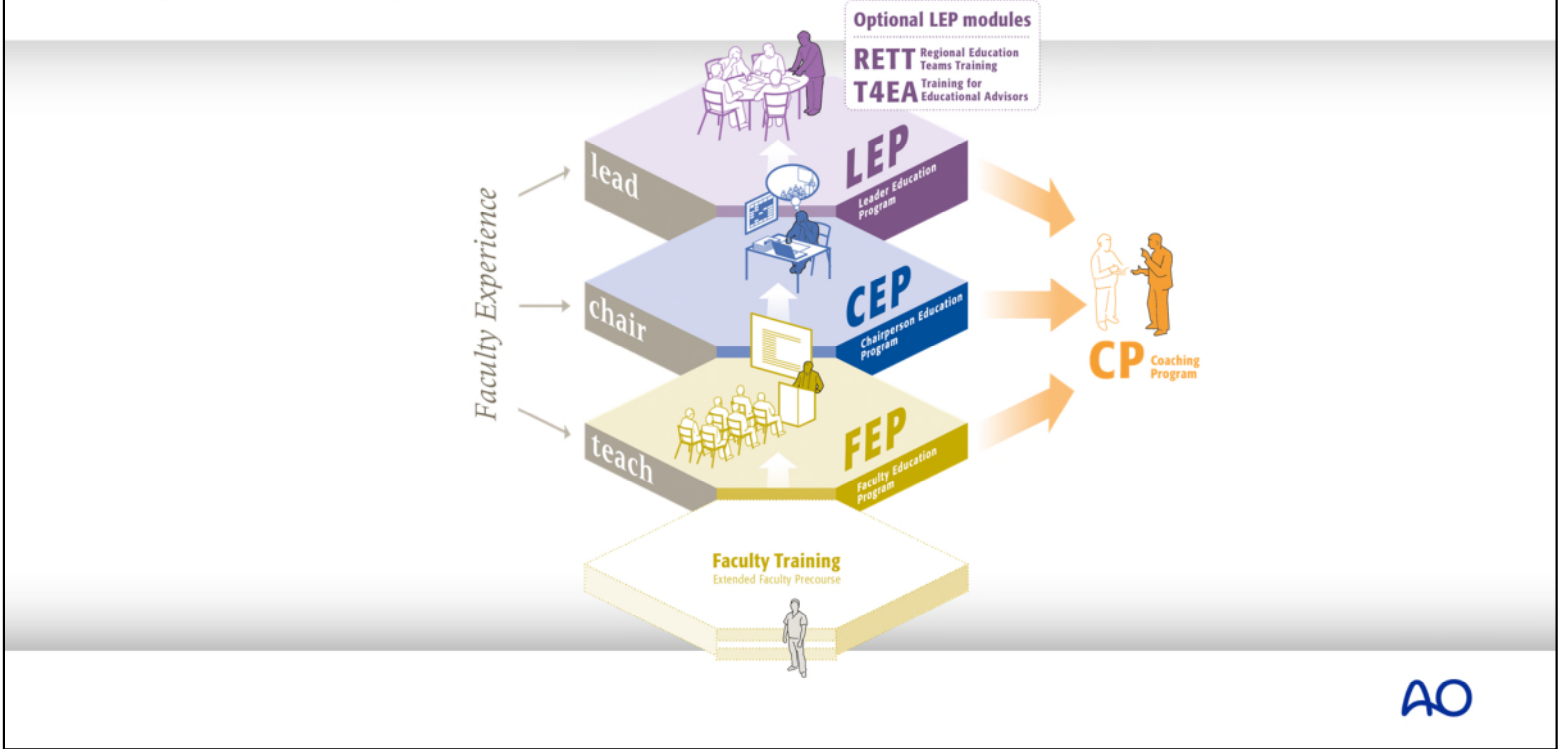
3

Outcomes measurement driven planning



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Staged faculty career education



AOTrauma ORP (Operating Room Personnel)

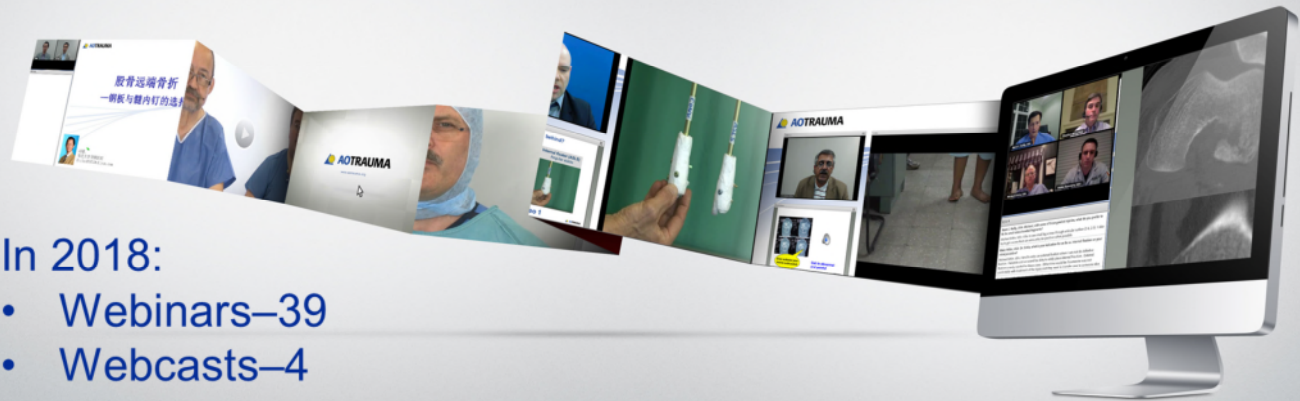
Education through

- Courses, and seminars
- Hospital based education
- Faculty development
- ORP educational material



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Educational content—Webcasts and webinars



In 2018:

- Webinars—39
- Webcasts—4
- 6,848 online participants

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Webinars—39

Webcasts—4

6,848 online participants

Educational content—Downloads

**AO Surgery
Reference**



130,590

**AO/OTA Fracture
Classification**



57,463

**AO Trauma
Orthogeriatrics**



17,455



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Innovation in education—AO Trauma STaRT Program

Surgical Training and Assessment for Residents



11,699
Registered users

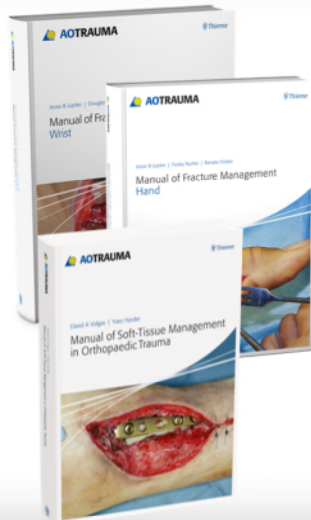
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Educational content—Bookshelf

Principles



Manuals



Handbooks

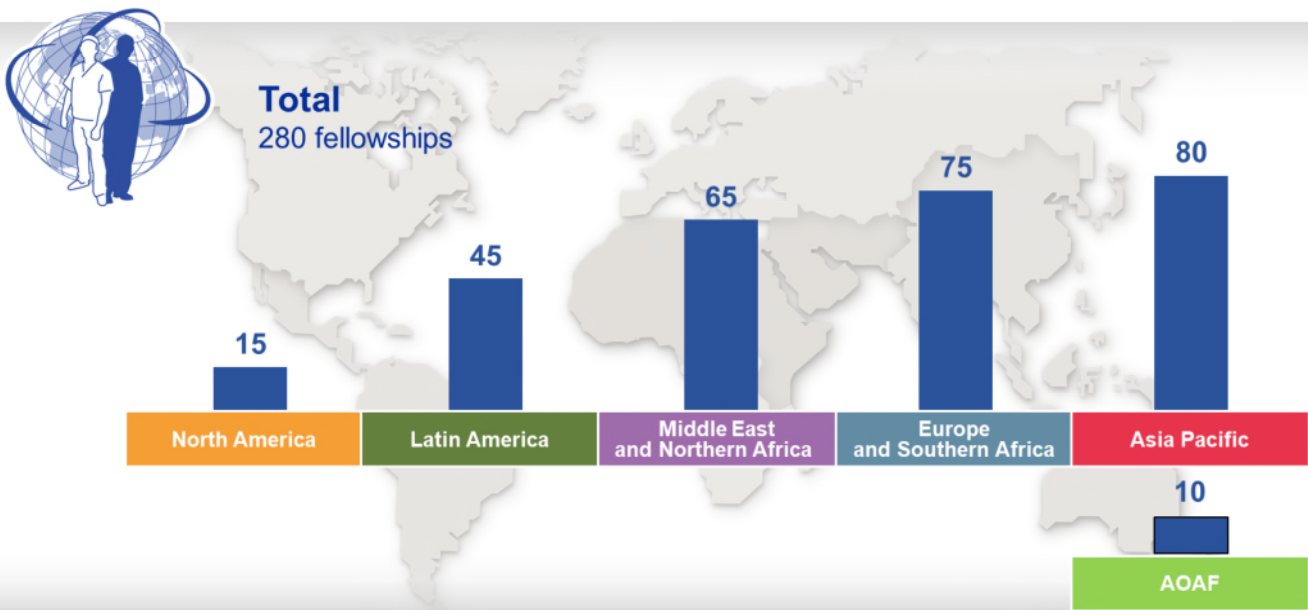


EBooks



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Approved fellowships 2018

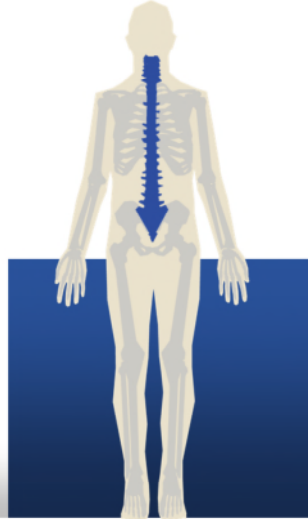


Our clinical divisions

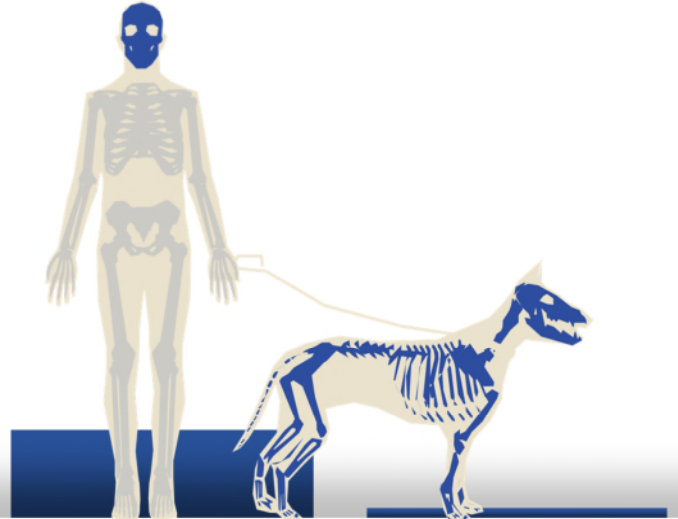
AO Trauma



AO Spine



AO CMF



AO Vet



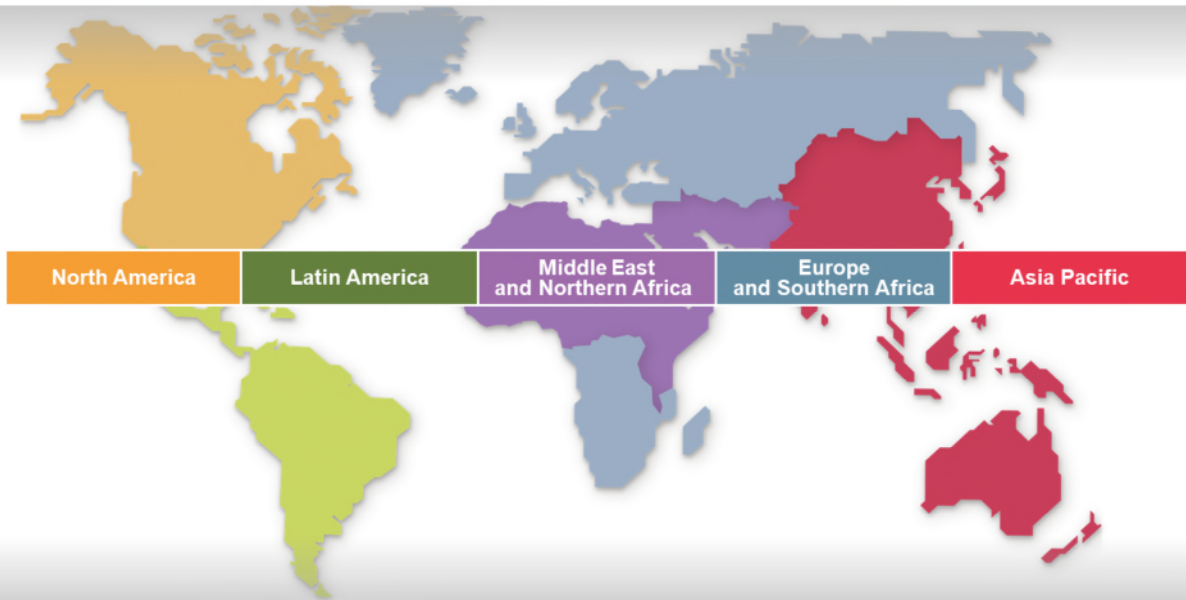
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One Foundation—One mission

Promoting excellence in patient care and outcomes in trauma and musculoskeletal disorders



Global structure—Five AO regions



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Global AO Trauma network



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Welcome to the family!
Thank you very much for your attention



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