



# Medical Education

## 2018 Annual Report



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# INTRODUCTION

Dear All,

We are very pleased to share with you a brief summary of our 2018 medical education activities, with a snapshot of the main facts and figures from the Orthofix Education Center and around the world.

We strongly believe in the value of continuous learning and growth, in order to make a fundamental contribution to orthopedic research and surgical practice innovation. After 30 years of excellence in medical education worldwide, and many changes and improvements in 2018, we have poured our efforts and energies into creating the Orthofix Academy concept.

Orthofix Academy is our new brand that embraces all company activities in terms of training, education, innovation, and clinical research, with events, symposia, and courses – both in-person and on-line - including lectures, hands-on practical exercises, peer-to-peer analysis and interactive discussion groups. These are available to orthopedic Surgeons and Operating Room Staff at every stage of their careers. Our objective is to empower them to progressively acquire specific and state-of-the-art knowledge to fit their needs and clinical practice.



Values such as networking, personal and professional growth, expertise and passion are closely associated with the goal of Orthofix Academy: to progress education. Each training event is specifically designed to be quickly transferred into clinical practice, as this is essential to ensure the safest and most effective use of Orthofix devices around the world to improve patients' lives.

The Orthofix commitment to **#progresseducation** is also symbolized by the recent renovation project at the Orthofix Education Center in Verona, to redesign it based on the requirements of the latest teaching methods and dynamic multi-functional design trends.

**Special thanks** go to our outstanding Faculty and our Global Medical Education Team, as well as to our colleagues from the Clinical Affairs, Marketing, Research & Development, and Sales departments for their major contribution - with tireless effort and extraordinary passion - to continuously improve Orthofix medical education programs.

Yours sincerely,



**Attilio Adami**  
Global Vice President  
R&D, Marketing e Medical Science



**Elisa Luciani**  
Global Medical Education Manager

# FACTS & FIGURES

[WWW.ORTHOFIXACADEMY.COM](http://WWW.ORTHOFIXACADEMY.COM) 

Coming together is a beginning,  
keeping together is progress,  
working together is success.

— HENRY FORD

Worldwide

80+  
Speakers



60+  
Countries



2000+  
Participants



congresses  
innovation patients' seminars advisory boards  
international courses  
local courses workshops focus groups  
symposia

At the  
Orthofix  
Education  
Centre

400+  
HCP  
trained



20+  
Countries



## National and international courses

How do you rate the educational level of the program?



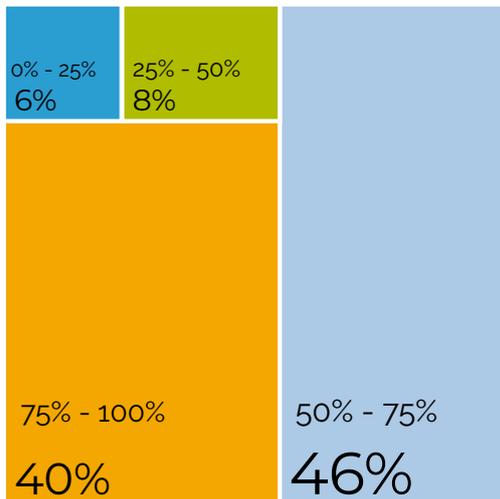
To what extent did the course meet the learning objectives?



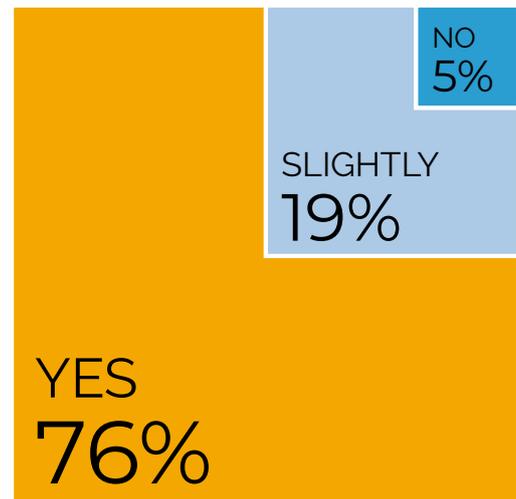
How do you assess the overall organization of the course?



What is the probability of implementing the suggested clinical protocols?



Do you now feel more confident in the use of the products?



Approximately 70% of all program participants provided survey responses.

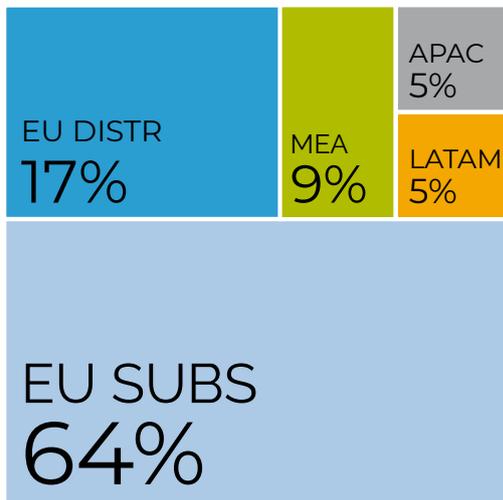
# AN INTERNATIONAL ENVIRONMENT

A minor change, such as the flapping of wings by a butterfly, can create a phenomenal change. Every single thing you do matters. Everything is connected. Change one thing, change everything.

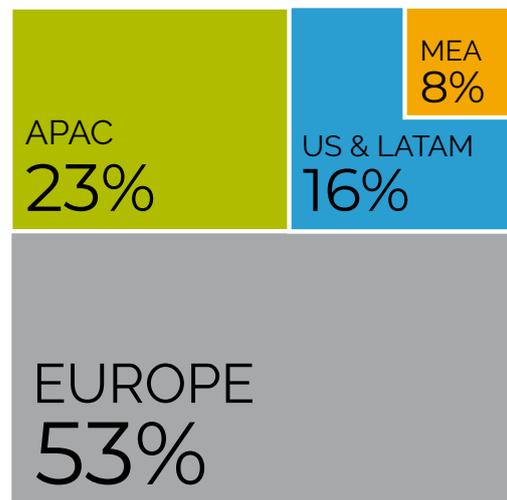
— **EDWARD LORENZ**

In our international courses, held entirely in English, we encourage engagement and diversity, open discussion and 'cross-contamination' among different experiences. We are proud that our participants get the chance to make the most of their different medical backgrounds and nationalities. After returning home, they stay in touch with fellow participants, networking and contributing to the enlargement of our international scientific community.

Participants per geographical area



Faculty per geographical area



Legenda:

APAC: Asia Pacific

EU Subs: Orthofix European Subsidiaries

EU Distr: Orthofix European Distributors

LATAM: Latin America

MEA: Middle East and Africa

US: United States of America



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## FEEDBACK FROM PARTICIPANTS

“ Going back to basics with a wet lab on real bodies is just the best I could expect. I've never seen such high quality in my life. Perfectly organized. ”

“ All the presentations were of high quality, and the faculty were outstanding. For me it has been a very useful learning experience, with lots of interesting cases widely discussed. I would definitely suggest the course to my colleagues. ”

“ Very interesting and challenging program. The experiences of exchange with colleagues from different parts of the world, with different cultures and visions, was very much appreciated. ”

“ Very well organized, very practical. Not too much and not too little. Appropriate alternation between theory and practice. ”

“ The management of a high- energy trauma fracture must be always based on the individual case, and this course has given us many practical tools, interesting clinical cases as examples to discuss, and some precious indications to help us in our decision-making processes. ”

“ A very interactive course, well organized, I did appreciate it. The Faculty were very friendly. The wet lab was an optimal opportunity for all of us. ”



## FEEDBACK FROM OUR FACULTY

“ Learning is a process of knowledge osmosis and practice. Our aim as members of the Faculty was to transmit not only our practical experience, but also a road map and a methodology on how to raise the right questions when treating a fracture. For me it is important that the participants appreciate the value of the published guidelines on the best standards of care, and the need to have orthopedic and plastic surgeons working together for better outcomes. A successful surgical approach must be always focused on offering our patient the best therapeutic solution. ”

“ For a surgeon, continuous training is mandatory. It is important to learn through errors, analyzing the negative outcomes and understanding why they occurred. The educational program is very well planned, with complex clinical cases and a great wet lab. I like to define the plastic surgeon as the gatekeeper of soft tissue. The novelty is putting together a plastic surgeon and an orthopedic surgeon, reminding the attendees of the importance of soft tissue coverage while managing high energy trauma fractures. ”

“ A high-level course perfectly organized. There is an absolute necessity to focus on fragility fractures. The mutual collaboration among public health systems, the academic world and private companies is strategic, becoming more and more essential, as it can offer significant results in terms of innovative and better therapies. ”

“ An older patient generally has a totally different point of view from the surgeon. For us it's essential to understand her/his needs and feelings to obtain the right compliance. What I am trying to transmit to the participants is the human and ethical part of the relationship between older patient and surgeon. From a methodological point of view, I invite the group to question, to share doubts – the role of the chair in a seminar like this is more or less that of a team leader (a mixture of competence and humility), trying to keep their attention high throughout the entire length. Regarding the program, it is very good and well organized. ”

“ In the near future, more surgery will take place in ambulatory surgery centers (outpatient surgery centers). This big change will require a different way of communicating with our patients, as we will be more directly connected with them. I always welcome new tools and techniques, and I know that 'we are all moving towards multidisciplinary treatment teams. ”

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# OUR APPROACH

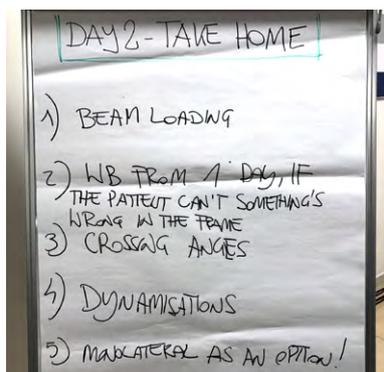
[WWW.ORTHOFIXACADEMY.COM/ABOUT](http://WWW.ORTHOFIXACADEMY.COM/ABOUT) 

Tell me and I will forget.  
Show me and I will remember.  
Involve me and I will learn.

## — BENJAMIN FRANKLIN

An evidence-based approach mixed with accelerated learning techniques. Our Participants are the focus of a dynamic learning experience that consists of an optimal mix of practical sessions in the wet and dry laboratories, small group teamwork, peer-to-peer debates, didactic clinical case discussion, and scientific lectures.

Our Faculty is composed of globally recognized orthopedic clinicians with an outstanding academic background and clinical experience, who are trained to share their knowledge in the most useful way. The content, programs, and delivery methods are continuously updated as part of our commitment to ongoing improvement.



# THE LEARNING PATHWAY

[WWW.ORTHOFIXACADEMY.COM/EXPERIENCE](http://WWW.ORTHOFIXACADEMY.COM/EXPERIENCE)



The Orthofix learning curriculum consists of three levels of courses and gives the opportunity to develop tailored medical training in Foot & Ankle, Pediatrics, Limb Reconstruction, and Trauma. Orthopedic scientific content is delivered by a globally respected faculty with modern teaching methods and leading-edge technology, to facilitate the sharing of international experience and establish constructive long-lasting networks.

Our participants' experience may range from none or very little, to independent practice in specific orthopedic fields. There are three different levels, based on the participants' needs.

## L3 - Masterclass

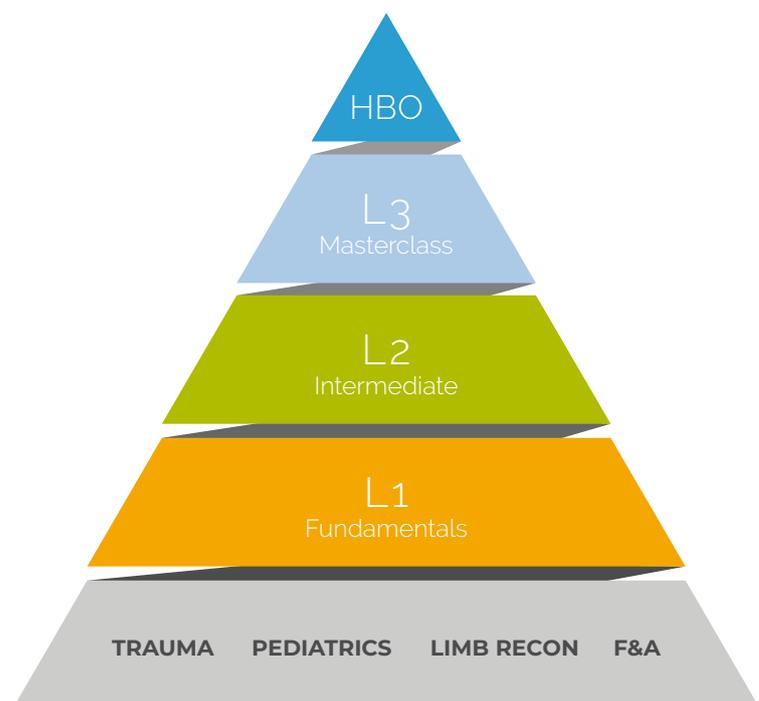
Masterclasses give the opportunity to discuss complex concepts and controversies in Orthopedics, debate innovative approaches for managing difficult orthopedic pathologies, and share challenging clinical cases.

## L2 - Intermediate

Intermediate courses are divided into specific orthopedic specialties: Trauma, Pediatrics, Limb Reconstruction, and Foot & Ankle. These training events are intended for specialists interested in improving their practical expertise and surgical skills.

## L1 - Fundamentals

Fundamentals courses provide an overview of the basic principles of bone biology and bone fixation. They are focused on safe corridors and safe insertion techniques for both pins and wires, as well as on the biomechanical stability of temporary and definitive fracture fixations with various external fixation devices.



# 2018 International Calendar

LEVEL	INTERNATIONAL COURSE	DATES
L1	Fundamentals of External Fixation	February 19 - 21
L1	Fundamentals of External Fixation	December 3 - 5
L2	Fragility Fractures	March 19 - 21
L2	Limb Reconstruction	May 14 - 16
L2	Pediatrics	June 4 - 6
L2	High Energy Fractures	July 1 - 3
L2	Foot & Ankle	September 10 - 12
L3	Master Class Charcot	April 23 - 24
L3	Master Class Pediatrics	October 8 - 9
L3	Master Class Mass Casualty	October 29 - 30
L3	Master Class Trauma	November 15 - 16

LEVEL	INTERNATIONAL COURSE	DAYS
L1	Fundamentals	5
L2	Intermediate	12.5
L3	Masterclass	6

Teaching time per level



■ L1   
 ■ L2   
 ■ L3

Teaching time per specialty



■ Trauma   
 ■ F&A   
 ■ Limb reconstruction   
 ■ Pediatrics

## HOSPITAL BASED OBSERVERSHIPS

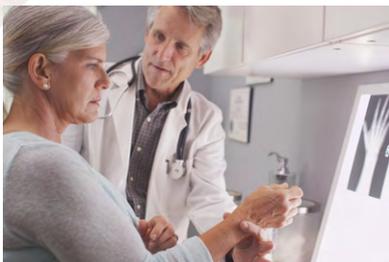
HBO are specific exchange programs in which a small group of observers accompany a teaching tutor through their daily hospital routine, sharing experiences with doctors, residents, staff, and students. The participants' objective is to independently master the clinical protocols and techniques experienced during the observership; our educational goal is to provide participants with the most innovative skills to improve patients' lives. In 2018 HBO programs took place in the following hospitals: University Hospital Tygerberg, Cape Town, South Africa; Mediclinic Midstream Centurion, Pretoria, South Africa and Klinikum Wetzlar, Wetzlar, Germany.



# SCIENTIFIC CONTENT

[WWW.ORTHOFIXACADEMY.COM/COURSES](http://WWW.ORTHOFIXACADEMY.COM/COURSES) 

Orthofix Academy strives to be a knowledge leader in musculoskeletal trauma and limb reconstruction care. This is achieved through the efforts of the Orthofix Team to recruit, develop, and retain the best faculty from around the world. The curricula and programs are all created and continuously updated to deliver specific and state-of-the-art knowledge that can be quickly translated into improvements in clinical practice. Starting with the fundamentals, safe corridors, and safe, appropriate wire and bone screw insertion techniques are subject to in-depth discussion and practice, together with the basic principles of biomechanics for building stable internal and external fixation frames with different types of device.



The most frequent complex **Trauma** and **Limb Reconstruction** indications are analyzed and discussed, including upper and lower limbs, with a special focus on the **Foot & Ankle**, and solutions are practiced, including hardware and software applications.

Individual programs are offered to investigate and provide distinctive



learning on the operational management of fragility and high-energy fractures, as well as the severe complications caused by diabetes and other diseases of growing significance. The Charcot Foot

Masterclass represents a pioneering seminar that has attracted more than 40 surgeons from around the world, for a one-and-a-half day leading-edge discussion of methods and protocols for the treatment of Neuropathic Charcot Foot.



Orthopedic **Pediatrics** represents another core topic in Orthofix education programs. Some of our most successful courses focus on pediatric trauma and musculoskeletal disorders, across different levels of expertise. The latest training needs of the orthopedic community are carefully included in the Orthofix Academy curriculum. Mass casualty preparedness and management is one example where a gap in knowledge was identified, and rapidly addressed with the inclusion of specific courses in the learning pathway.

## Research Methods

The **"Research Methods"** sessions are another feature that is highly appreciated by our Faculty and Participants. Included in most of the courses, the tips & tricks and troubleshooting on how to

# ORTHOFIX ACADEMY 2018 ANNUAL REPORT



successfully publish a paper are explained, with a smart and dynamic workshop successfully led by the Orthofix Clinical Affairs department.

The principles of an **accelerated learning experience** are applied to highlight the decision-making process and the multidisciplinary approach to complications and challenging situations. The global faculty reflects this method: together with orthopedic surgeons, the learning objectives are achieved thanks to the constructive engagement of different specialties, such as orthogeriatrics, orthoplastics, emergency medicine, surgical staff, and nurses, including experts from war zones and humanitarian backgrounds.

The list of courses and seminars is complemented each year by a large number of worldwide dissemination activities at the main national and international conferences with **educational events**, **workshops**, and **symposia**. We are proud to support and collaborate with the most important orthopedic societies to **#progresseducation**



## Faculty Meeting 2018

In 2018 Orthofix organized the first Faculty Meeting that took place in Munich at Design Offices in the Highlight Towers. A selected group of surgeons have fruitfully discussed about learning pathway, programs and topics to keep Orthofix medical education curricula current and updated. Tradition and innovation have been mixed again when the experts debated on personality types and delivery methods. Orthopedic concepts included in Orthofix future programs will be delivered to attendees with interactive, modern and dynamic ways. A mission will be accomplished: provide the best learning experience.



18 MAGGIO 2018 | 11.35-12.25 | SALA A - 3° PIANO | PALAZZO DELLA GRAN GUARDIA, VERONA



# OUR PRODUCTS

[HTTP://ABS.ORTHOFIX.IT/](http://abs.orthofix.it/) 



**AGILE NAIL™**



**AHN**  
ANKLE HINDFOOT NAIL



**CHIMAERA**  
HIP FRACTURE SYSTEM™



**GALAXY FIXATION®**



**GALAXY SHOULDER**



**GALAXY ELBOW**



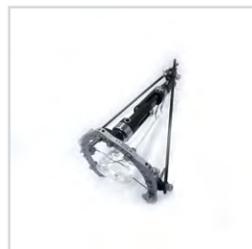
**GALAXY WRIST**



**GALAXY UNYCO™**



**G-BEAM**  
FUSION BEAMING SYSTEM™



**HYBRID SOLUTIONS**



**LRS PEDIATRIC**



**LRS ADVANCED**



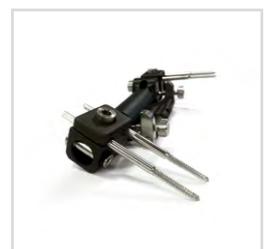
**MINIRAIL**



**MJ-FLEX**  
THE NEW  
METAIZEAU NAIL™



**PENNIG AND  
MINIPENNING WRIST  
FIXATORS**



**RADIOLUCENT  
WRIST  
FIXATOR**



**RIVAL™**  
BITE



**RIVAL™**  
VIEW



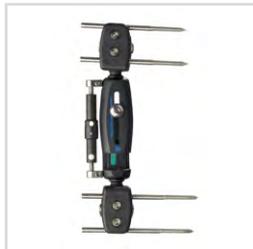
**RIVAL™**  
REDUCE



**TRUELOK**



**TL-HEX**  
TRUELOK HEXAPOD  
SYSTEM® HARDWARE  
AND SOFTWARE



**XCALIBER®**



**EIGHT-PLATE**  
GUIDED GROWTH SYSTEM®



**EIGHT-PLATE**  
GUIDED GROWTH  
SYSTEM +™

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# ORTHOFIX ACADEMY

[WWW.ORTHOFIXACADEMY.COM/RESOURCES](http://WWW.ORTHOFIXACADEMY.COM/RESOURCES)



We aim to form **an international scientific community** made up of accomplished, well-trained health professionals and orthopedic surgeons, who are driven by a strong commitment to continuous improvement, research, and learning.

Orthofix is committed to **Research, Innovation, Education,** and **Training** in all of its activities.







**THE  
ORTHOFIX  
CONTRIBUTION**

2015  
2016  
2017  
2018  
2019  
2020  
2021  
2022  
2023

*Improving patients' lives by providing superior reconstructive and regenerative musculoskeletal solutions to physicians worldwide.*

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## THE TEAM

Hello, my name is **ELISA LUCIANI**.  
I am **Global Medical Education Manager** and  
I work at Orthofix for more than 7 years.  
I am in charge of programs, faculty and training and  
education events, leading and coordinating a great team!



✉ [ELISALUCIANI@ORTHOFIX.COM](mailto:ELISALUCIANI@ORTHOFIX.COM)

We are responsible for Orthofix medical education activities, as the international courses described in this report. In addition, we harmonize and organize national medical education courses in our Subsidiaries and distributors around the world, as well as marketing meetings and international congresses worldwide.



**SERGIO ASCHIERI**  
**Product Application Specialist**

Responsible for the technical part related to medical education courses (technology, demo material, workshop sessions, images, tutorial, video etc.)

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**MARZIA GUIDONI**  
**Event Management Support**

Responsible for organizing marketing meetings and international congresses, such as EPOS, EPOS BAT, EFORT, AAOS, OTA, IPOS, etc.



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**LUISA RESIDORI**  
**MedEd Event Manager**

Responsible for all logistical aspects of international medical education courses

✉ [LUISARESIDORI@ORTHOFIX.COM](mailto:LUISARESIDORI@ORTHOFIX.COM)

**MICHELA SCHILLIZZI**  
**Country Events European Manager**

Responsible for national medical education courses in the European Subsidiaries and Orthofix Distributors. *Ad interim* she also supports the Italian Team for selected national congresses



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