17th EFORT CONGRESS — A COMBINED PROGRAMME IN PARTNERSHIP WITH SWISS ORTHOPAEDICS



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Featured Sessions

Cutting-Edge Congress EFORT and swiss orthopaedics strengthen societal ties Page 3

Geneva City Guide this year's host city, the worldwide centre for

Exhibitor List the latest innovations . . Page 6

Original Bernese PAO Retrospective Study

30-year follow-up study presents outcomes for patients who underwent Bernese periacetabular

Schedule of Events

• Registries And YOUR **Practice** 9:00 - 10:30

Vienna Room

- EFORT Opening Session 12:15 - 13:00 Geneva Room
- MEM Honorary Lecture 14:30 - 15:30 Geneva Room

Importance of lifelong physical activity central message of 17th EFORT Congress



Enric Cáceres

With life expectancy continuing to increase in modern and affluent societies, EFORT has further cemented its mission to keep patients active, mobile and pain-free with its selection of Maintaining Activity Through Life as the

main theme of the 17th Annual EFORT Congress in Geneva.

"All studies agree that [keeping] elderly patients mobile and active is economically, socially, medically and ethically, the sound approach," Enric Cáceres, MD, PhD, FRC, 2015/2016 EFORT president and chair of the Autonomous University of Barcelona, said.



Thierry Bégué

"Our patients live longer. Orthopaedic surgeons help them live better."

Thierry Bégué, MD, PhD, co-opted member of the EFORT Board and chairman of the orthopaedic and trauma department, Antoine Béclère Hospital, Uni-

versity of Paris-Sud, Clamart, France, agreed.

"From a musculoskeletal point of view, activity reinforces bone density and limits osteoporosis and pathologic fractures, and maintains motion in all joints due to the stimulus done on the muscles," he said. "Arthritis can occur, mainly due to age and not raised by activity, sports or any type of training."

For Bégué, this year's theme selection

was particularly relevant for the EFORT Congress, given that the health care and economic evolution in Europe has led to the increase in life expectancy.

"In fact, the health definition by [the World Health Organization] leads to demands coming from patients to maintain activity as much as possible during their entire life, not only to treat diseases or trauma," Béqué said.

Theme integrated throughout congress

Sessions from the wide congress programme, with topics ranging from basic research to the daily practice of orthopaedics and trauma, will integrate the perspective of the main theme.

Specifically, Béqué said EFORT has asked presenters in fields such as hand, shoulder, and hip and knee to focus at least 25% of their lectures or symposia on ways to maintain activity (Physical activity continued on page 7)

New features on tap for EFORT 2016

As part of its mission to provide attendees with a forum for the state-of-the-art advances in orthopaedics and traumatology, EFORT has introduced new programming and content this year for its 17th Annual Congress.

One such addition is the Congress' main theme of Maintaining Activity Through Life. Lectures and symposia throughout the congress will centre on this message, including the opening keynote presentation from Edurne Pasaban, the first woman to climb all 14 eight-thousander peaks in the world.

Furthermore, "[Pasaban] runs Mountaineers for Himalayas Foundation [MHF], a private nonprofit foundation without any religious or political ties, that brings together mountaineers with a desire to help others and children from the mountains of Nepal, Pakistan, Tibet, India and Bhutan, with the aim of providing them with an education," Enric Cáceres, MD, PhD, FRC, 2015/2016 EFORT president and chair of the Autonomous University of Barcelona, said.

During her keynote presentation, which will take place on Wednesday, 1 June, from 12:35 to 12:50 in the Geneva Auditorium, Pasaban will explore the practice of mountain climbing and the importance of maintaining a more active lifestyle, Cáceres told EFORT Congress Daily News.

New this year is EFORT Open Reviews, an open-access journal published by EFORT and (New features continued on page 7)







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EFORT, swiss orthopaedics partner for cutting-edge EFORT Congress



For its 17th Annual Congress, EFORT has partnered with swiss orthopaedics to offer attendees a combined programme featuring a wide array of topics, ranging from basic re-

search to areas focused on daily practice and trauma.

According to Alain Farron, MD, president of swiss orthopaedics and full professor and chief of the orthopaedics and traumatology service, University Hospital, Lausanne, Switzerland, this is a "winwin" partnership. He noted Geneva has a rich tradition of teaching and communication, as well as hosting prestigious international meetings.

"We hope that EFORT will benefit from the more than 200-year history of the swiss orthopaedics and traumatology," he said. "With regard to swiss orthopaedics, it will certainly learn a lot from the enthusiasm and dynamism of its younger sister."

Partnership highlights

As part of its role in the 2016 EFORT Congress, swiss orthopaedics helped develop the scientific programme, Farron said, particularly by organising, in partnership with EFORT, many invited sessions and co-chairing the free papers sessions.

The end result of this collaboration is an attractive scientific programme, Enric Cáceres, MD, PhD, FRC, president of EFORT and chair of the Autonomous University of Barcelona, said.

"The EFORT Education Committee, chaired by Thierry Bégué, MD, PhD, with ongoing support from the specialist societies, has created an exceptional programme covering varied topics from basic research to areas within daily practice of orthopaedics and trauma," Cáceres said.

Cáceres noted many of the sessions will focus on the congress' main theme of Maintaining Activity Through Life, which is an essential component that EFORT advocates to keep patients active, mobile and pain-free. Highlights will include the clinical judgement in the aged spine; influence of age on reconstruction in bone tumours; the role of early care in achieving lifetime mobility; treatment of degenerative feet and ankles; and pitfalls in rotator cuff surgery.

As with previous EFORT Congresses,

there will also be the Michael Freeman and Erwin Morscher honorary lectures, which will be delivered by two highly distinguished orthopaedic surgeons: Martin Krismer, MD, and Richard Wallensten, MD, PhD, respectively.

For Farron, one of the highlights of this combined congress will be the Maurice Edmond Müller honorary lecture on Wednesday 1 June, delivered by Werner Müller, MD. "Werner Müller will share with us his passion and lifetime activities in the field of knee surgery," Farron said.

In addition, the EFORT Congress will also feature an opening keynote presentation from Edurne Pasaban, the first woman to climb all of the 14 eightthousander peaks in the world.

Strengthening societal ties

Although the combined congress is a one-time partnership, Farron believes it will strengthen the ties between both societies, allowing for a closer relationship during all EFORT activities.

"I hope that this combined meeting will be a memorable scientific and social experience for all delegates, and I wish everybody a warm welcome in Geneva," Farron said.

Cáceres and Farron report no relevant financial disclosures.





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Geneva city guide

The worldwide centre for diplomacy, Geneva is sometimes referred to as the "Peace Capital." Geneva is home to the highest number of international organisations in the world. In addition to its deserved reputation for excellent watchmaking, chocolate and scientific innovations, Geneva is one of the greenest cities in Europe, with more than 20 parks in the city's centre. A compact yet contemporary metropolis, Geneva is an ideal place for visitors to embrace beautiful scenery while experiencing a deeply rooted history.

1 Geneva Watch Tour

Take a timeless journey through the history of the Swiss artisan craft tradition of watchmaking. On the tour, you will encounter many landmark clocks and other watchmaking symbols, including the sundial at Promenade du Lac and the famous Flower Clock, as well as the latest watch styles and the most prestigious brands in the shops along the Rue du Rhône. Tourists can take a few hours to visit the extraordinary Patek Philippe Museum to learn about the history of watchmaking and view collections on display, including an antique collection dating back to the 16th century. This tour encompasses many other of the city's most famous sites, including Mont-Blanc Bridge, the Jet d'Eau, and the Reformation Wall, making it a combination tour that is a must-see for every visitor.

2 Jet d'Eau Fountain

This monumental fountain pumps 500 litres of water per second, and is one of the city's most famous landmarks. It



is a symbol of the strength of the city, and this strength echoes in its impressive size-jetting water to an altitude of 140 metres - so high it can be seen from the air as airplanes arrive. Visitors who do not mind getting a little wet can walk out on a pathway straight to the fountain for a close-up view.

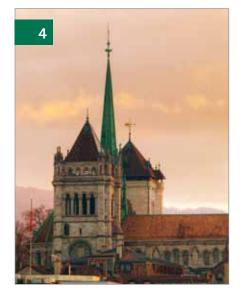


3 Old Town

Old Town is a maze of quaint streets, charming squares and historical treasures. The area is filled with marble fountains, cafés with outdoor seating, art galleries, wine taverns, museums and more, In the centre of Old Town is Bourg-de-Four Square, the oldest part of Geneva, and the site of the ancient Roman marketplace. Tram tours are available for comfortable travel through the narrow alleys and

4 St. Pierre Cathedral

Built in the 12th century, St. Pierre Cathedral is located at the highest point in Old Town. This landmark is most famous for being the home church of one



of the most prominent leaders of the Protestant Reformation, John Calvin, during the 16th century. Inside, visitors can see a wooden chair used by Calvin, climb the 157 steps of the north tower for breathtaking views of Geneva, or descend into the archaeological site in the vaults.

5 United Nations Office at Geneva

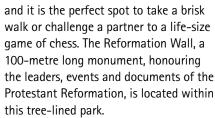
Whether interested in history or a stroll around the local scenic Ariana



Park, visitors should not miss this international wonder. Located in the Palais des Nations, the United Nations Office at Geneva (UNOG) offers a variety of tours in multiple languages. Visitors may see-depending on the schedule of meetings - the Human Rights and Alliance of Civilizations Room, the Assembly Hall, the Council Chamber and more. Visitors will learn about the current events taking place at the UNOG, as well as its historical significance, including its role as the former headquarters of the League of Nations.

6 Parks and Gardens

Geneva is often referred to as the "city of parks." A visit to Bastions Park, a former botanical garden and site of the first university in Geneva, can fit any itinerary,



Close to the Palexpo Geneva is another beautiful site - the Conservatory and Botanical Gardens. Located in Ariana Park, visitors can make an educational trip with the family with thousands of species for visitors to enjoy.

Geneva's largest park, covering more than 12,000 square metres, is Parc La Grange. This park contains the largest rose garden in the city, a playground and a horticultural centre. Free concerts are hosted at the Verdure Theatre within the park every Wednesday and Friday during the summer.



7 Museums

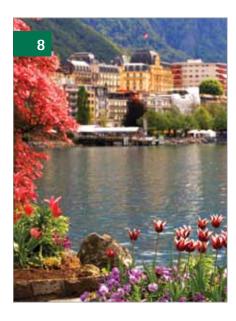
Geneva is home to more than 30 museums and galleries. The International Museum of the Red Cross and Red Crescent, located near the CICG, offers visitors a glimpse of the history of



humanitarianism. The permanent exhibition is divided into three sections, each with a different focus: defending human dignity, restoring family links and reducing natural risks.

Located less than 20 minutes from the Palexpo Geneva is the European Organization for Nuclear Research, an international centre for scientific research that offers a variety of guided tours in which visitors can explore the fundamentals of physics. A permanent exhibit called "Universe of Particles" can be viewed in the landmark Globe of Science and Innovation

Nearer to the heart of the city is the Museum of Art and History, the largest museum in Geneva, where visitors can view more than one million collected items. Artifacts from ancient Egypt, Greece and Rome; treasures from the Middle Ages; and paintings from the Renaissance (including works by Van Gogh and Renoir) are just some of the invaluable collections to see.



8 Active Pursuits

Within the city, several segue tours are available for visitors to maximize their covered distance in a day, including a 2-hour tour around the United Nations Office. Visitors can also enjoy up-close views of Lake Geneva with boating and canoeing, and biking tours are available for an active afternoon.

For a magnificent view of the city of Geneva, visitors can take the 40-minute trip to Mont-Saléve in France where they can travel by cable car to the breathtaking altitude of 1,100 metres in just 5 minutes. Sports-loving visitors also can hike, paraglide or bike.

9 Family Friendly

Whether it is a cable car ride to Mont-Saléve, a boat tour on the lake, or a stroll exploring Old Town, Geneva is full of family-friendly activities. For families who love animals, the Bois de la Bâtie & Zoo is the place where guests of any age can view more than 60 species of animals including goats, wild boar and exotic birds. The Botanical Gardens is another fun adventure with its educational botanical exhibits, but also be sure to take a spin on the Carrousel des Fables and enjoy an ice cream on the playground. End your perfect outing with the family with a stop to one of Geneva's chocolatier shops, such as Auer Chocolatier on Rue de Rive, where visitors can experience chocolate bliss.

10 Restaurants

Fine culinary experiences can certainly be found city-wide, and there are various eateries near the Palexpo. For an authentic Swiss fondue experience, enjoy lunch or dinner at Café du Soleil (reservations recommended) dining in or al fresco. For a taste of Swiss history in Old Town, try Restaurant Les Armures in the Hôtel Les Armures, whose menu features many Swiss specialty dishes. For a more casual meal, Les Brasseurs offers Swiss, German and French pub cuisine in this brewery located 15 minutes from the Palexpo.

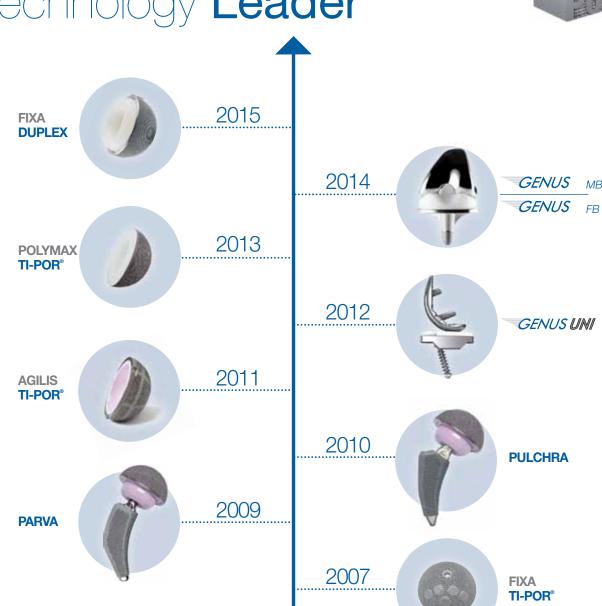


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Original Bernese PAO proved effective for treatment of hip dysplasia

A retrospective study determined 43% of patients who underwent this Bernese periacetabular osteotomy 30 years ago were not converted to total hip arthroplasty.

The prevalence of a positive anterior

Long-term success reported

Patients who underwent a Bernese periacetabular osteotomy (PAO) and had a surviving hip at the 30-year follow-up had Merle d'Aubigne-Postel scores of about 16,



A 26-year old woman (left) presented with hip pain due to hip dysplasia without osteo-arthritis (OA). A Bernese periacetabular osteotomy was performed to improve acetabular coverage. The re-oriented acetabular fragment was fixed with two screws (centre). At the 30-year follow-up, the patient presented with no hip pain, a good functioning hip and no signs of OA (right).

impingement test and limp declined at 30-year follow-up among patients who underwent some of the first Bernese periacetabular osteotomies performed for the treatment of symptomatic developmental dysplasia of the hip, based on results of a retrospective study.

Till D. Lerch, MD, research assistant in the Department of Orthopaedic Surgery and Traumatology, University of Bern, in Bern, Switzerland, is scheduled to present the study findings during a hip osteotomy session at the 17th EFORT Annual Congress.

which were significantly higher than their scores at the 10-year and 20-year follow-up.

"At the 30-year follow-up, 29% of the first 75 hips undergoing the Bernese POA had not converted to total hip arthroplasty, showed no progression of osteoarthritis and had a good clinical result. Key factors for successful outcome were a young patient age, no or little osteoarthritis and preoperative good hip function with only little pain. These results reflect the learning curve and first experience of a new surgical technique," Lerch said in

an interview before the EFORT Congress.

The retrospective study included the first 63 patients (75 hips) to undergo a Bernese PAO. The patients were operated on by the originator of the procedure, Reinhold Ganz, MD, in Bern between 1984 and 1987 at the investigator's institution. In total, 24% of the patients presented preoperatively with advanced grades of osteoarthritis (OA), and 31% had previous surgery to improve acetabular coverage.

Positive clinical results

Investigators calculated the cumulative survivorship of the hips with a Kaplan-Meier estimate in which conversion to a total hip arthroplasty (THA), progression of OA or a poor clinical outcome were the endpoints. They also assessed patients with the Harris Hip score and identified radiographic progression of OA according to Tönnis grade in the surviving hips.

At 30-year follow-up, 57% of the hips were converted to THA; 5% showed progression of OA; and 4% had a poor clinical outcome. This resulted in a cumulative survivorship of 29%.

In addition, the prevalence of limp decreased from 66% to 18%, and the prevalence of pain in flexion/internal rotation decreased from 40% to 14% at final follow-up.

"This is a heterogeneous group and at the beginning of a learning curve of a new surgical technique. Compared to more recent series of patients, the survivor rate is less than what you would expect from today's operation. The indications have gotten more precise. Since the first case in 1984, more than 1,000 PAOs have been performed at our institution. In this historic series, we had patients with advanced OA where nowadays we would never operate on them. Although this heterogeneity reduced the overall survivorship, these variations allowed analysis of key factors predicting long-term survival," coauthor Simon D. Steppacher, MD, said in an interview before the EFORT Congress.

These factors likely reduced the 30year survival, but long-term survival with current Bernese PAO indications can be expected to be higher, according to Lerch.

Deference

Lerch T, et al. Paper #2644. Scheduled to be presented 1 June, 15:30–16:30, at 17th EFORT Annual Congress—a combined programme in partnership with swiss orthopaedics; 1–3 June, 2016; Geneva.

Source info:

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Simon D. Steppacher, MD, can be reached at Department of Orthopaedic Surgery and Traumatology, University of Bern, Inselspital Bern, 3010 Bern, Switzerland; email: simon.steppacher@insel.ch.

Disclosures:

Lerch and Steppacher report no relevant financial disclosures.

New features, continued from page 1

The British Editorial Society of *Bone & Joint Surgery*. Launched in January 2016, the publication requires no subscription and features online CME questions and certification. Key sections of the Journal include hip, knee, foot and ankle, shoulder and elbow, wrist and hand, spine, trauma, oncology, children's orthopaedics, sports injuries and arthroscopy.

Serving as editor-in-chief of *EFORT Open Reviews* is Pierre Hoffmeyer, MD, EFORT past-president and professor of orthopaedic surgery, head of the Division of Orthopaedics and Musculoskeletal trauma, and chair of the Department of Surgery at the University Hospitals of Geneva. A small group of associate editors and an international editorial board also will contribute to the publication.

In addition, for attendees interested in catching up on sessions from EFORT Congresses, the EFORT e-Science portal, a part of the EFORTnet eLibrary, provides access to more than 500 hours of past EFORT Congresses. Attendees are encouraged to explore the EFORTnet eLibrary, Europe's largest orthopaedic conference library, currently housing more than 16,500 scientific resources. EFORTnet is optimised to provide advanced search options including refinement by author, topic, event, or format; the search function produces relevant results including abstracts, videos and e-presentations.

This comprehensive digital library offers sessions covering all of the main orthopaedic and traumatology topics, including the spine, hip, polytrauma/pelvis, pain control, rehabilitation, upper limb trauma, osteoporosis, basic science, technology, general education and many others. EFORTnet is easily accessible from the top right corner of www. EFORT.org.

Disclosure:

Cáceres reports no relevant financial disclosures.

Physical activity, continued from page 1

throughout life.

"It is our usual duty to enhance mobility and activity by the different types of surgery we do," he said.

This emphasis on the main theme begins with the opening keynote presentation on Wednesday, 1 June, from 12:35 to 12:50 during the EFORT Opening Session in the Geneva Auditorium. Delivered by Edurne Pasaban, the first woman to climb all of the 14 eight-thousander peaks in the world, the keynote will underscore the significance of maintaining lifelong physical activity.

Other sessions that highlight the main theme include Orthogeriatrics—The New Buzzword; Latest Practices and Techniques for the Care of the Ageing Musculoskeletal System; Polytrauma in the Elderly; Biomechanical Evaluation of the Aged Patient; Clinical Algorithms for

Spinal Fragility Fractures; Complications of Surgical Interventions; and Evidence-Based Techniques in Prosthetics, Fracture Repair and Rehabilitation.

As a result of the sessions, Bégué said, "We expect [attendees] to learn a lot about the possibilities to not only treat degenerative diseases, but also to be able to do different types of surgery to prevent loss of activity and independence of the patient."

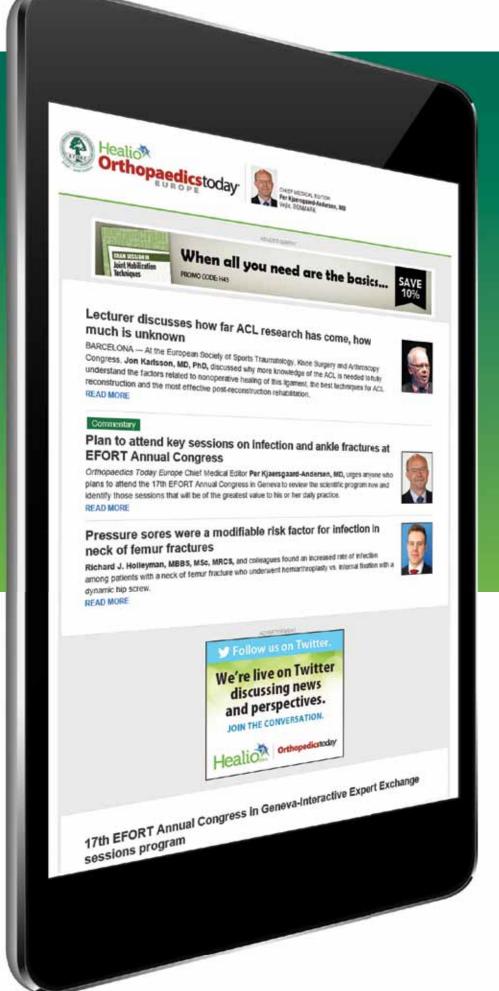
Theme for 2017

Next year, the main theme of the 18th Annual EFORT Congress in Vienna will be Sports Practice in Relation to Orthopaedics, Cáceres said. Previous congress themes included Patient Safety in 2014 and Infection in 2015.

Disclosure:

Bégué and Cáceres report no relevant financial disclosures.

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