



Orthopedic Dept.



Faculty of Medicine

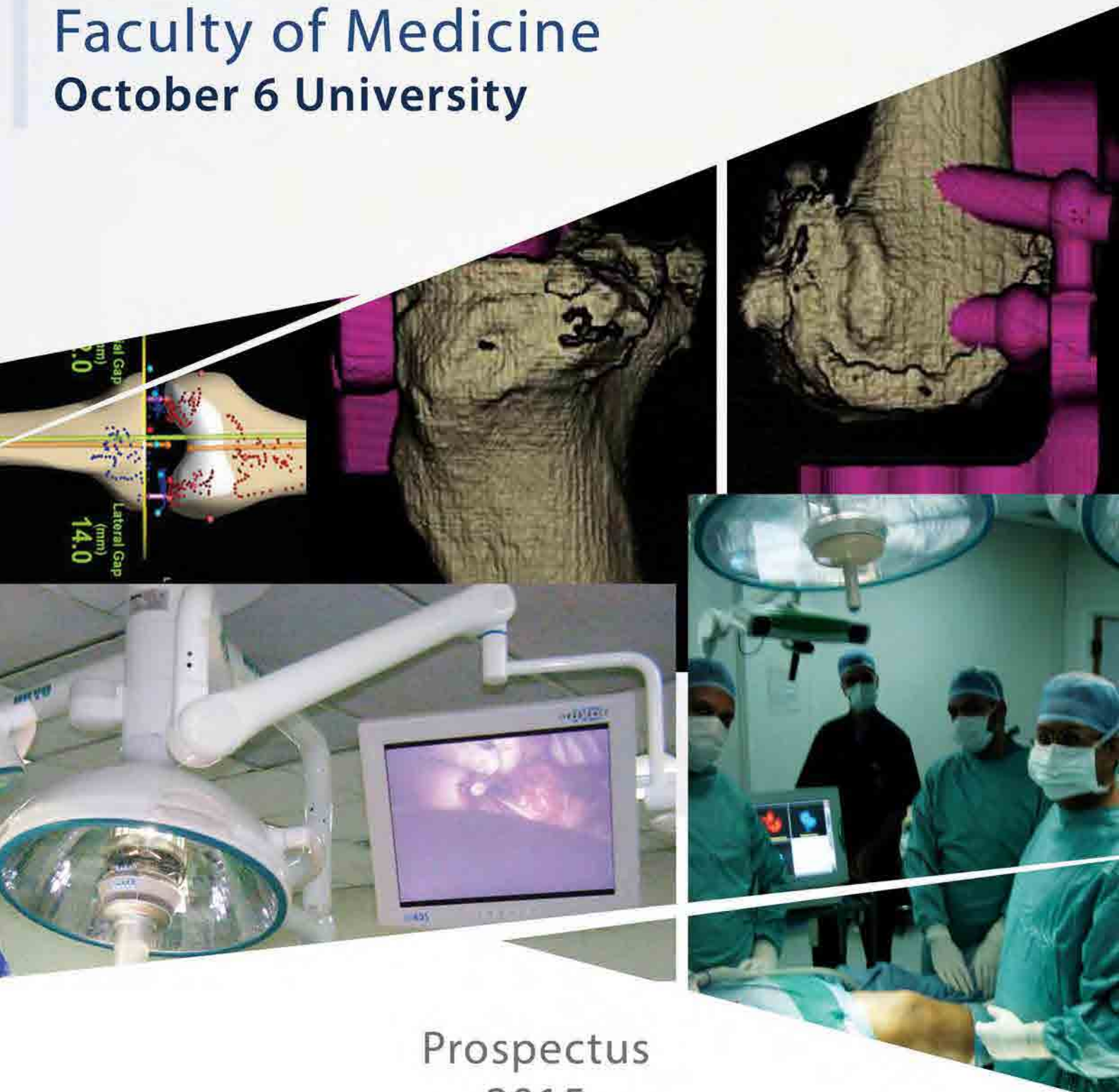


October 6 University

Orthopaedic Department

Faculty of Medicine


October 6 University



Prospectus
2015

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Introduction

It gives at the outset great pleasure in expressing my high sense of gratitude for the continuing support to the center from **Prof. Ahmed Attia Seida**, President of October 6 University (O6U). His swift responsiveness and encouragement serve as the main catalyst in promoting the center activities. This prospectus could not be done without the inspiration and help of **Prof. Khiereldin Abdellatif**, Vice-Chairman of the Board of Trustees for International Strategie and Cultural Relations.

Thanks go also to all University members who joined in supporting the centre activities. I take this opportunity to invite you all to take part in promoting the centre through your valuable comments, ideas and contributions.

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Education

Research

About Egypt

Egypt is probably the world's oldest civilization. Egypt is probably one of the oldest vacation spots. Early Greeks, Romans and others went there just for fun, and to see the wonders of some of mankind's earliest triumphs. But Egypt is much more than Pyramids and monuments. It is also Red Sea scuba diving, hot night spots, luxury hotels and five star restaurants. It is romantic cruises down the Nile on festive river boats, a night at the grand opera and it is a cultural experience like none you have ever experienced. Egypt is a land bustling with life, sound, visual beauty and excitement.

The Great Pyramids of Giza is an Ancient Egyptian landmark. Known as Khufu's Pyramid, it is the greatest pyramid of the complex: a truly overwhelming sight. Being one of the seven wonders of the ancient world, it is the only one still standing to this day! When gazing at this colossal structure, there's no way to escape the feeling of being dwarfed sisters. Nearby, are the Great Sphinx, the Solar Boat Museum and the Sound & Light Show.



About October 6 City

This is a satellite city of Cairo. A new cosmopolitan city, it hosts students of many nationalities who seek education at its private universities. It was established in 1979 and Named in commemoration of the liberation of occupied Sinai and the successful crossing of the Suez canal by the Egyptian military in 1973. It is 17 km from the great pyramids of Giza and 32 km from Cairo downtown.

It has a total area of (400 km²) and is expected to have 3.7 million inhabitants but current population is about 700 000. It hosts one of the largest industrial zones in Egypt. It is also accompanied by a Banking Sector that groups branches of all banks in Egypt. The area is also home to over thirty universities, colleges and higher educational institutes.

The neighboring residential area Sheikh Zayed city is notable with its several gated communities and luxurious compounds. It is connected to Cairo by a highway bridge (Mehwar). It is considered to be one of the most thriving and fruitful modern urbanisation projects.

Vision and Mission

Orthopaedic Department

Our vision: The best outcome in clinical practice can be achieved by merging excellence in clinical care, with research and education

Our mission: to improve the quality of orthopaedic service following international standards for quality control, with slight modifications to fit our local and national conditions; to provide a high-quality clinical research and innovative methods that are relevant to our community and leveled to international standards; to pay back, by teaching others, what we have learnt using our skilled human resources, motivation and dedication; to educate our patients, students and allied health professionals; to teach our young surgeons the theory and the practice of modern orthopaedics.



Glance at October 6 University (O6U)

- The pioneer of private university education since its establishment according to the presidential decree number 243 for the year 1996.
- A member of:
 - The Association of Arab Universities.
 - The Association of African Universities.
 - The United Nations initiative on corporate social responsibility (UN Global Compact).
- Shareholders in O6U are institutions and companies, which adds a special institutional character to the university.
- All degrees awarded are approved and accredited by both Supreme Council of Universities of Egypt.
- Language of instruction is in both Arabic and English.
- The university is in a collaborative partnerships and agreements with many foreign and Egyptian academic institutions.
- Number of students is approximately 12000, one third of that number are international students drawn from more than 20 nationalities.
- Total area of the university campus is 173.527 thousand square meter (excluding the library building which covers 9000 square meter).
- Green landscaping and playground occupy vast areas of the campus.
- The university campus houses four educational and one administrative buildings, university hospital and girls hostel. As for the central library and boys hostel, they lie about 150 meters from the university campus.
- The total capacity of the teaching halls and rooms in addition to labs, workshops and special halls can accommodate up to (20) thousand students at a time.
- The university offers its services to students through the departments of cultural relations, international students, public relations, youth care, social solidarity program and transportations service.
- The university houses a center for authenticating and legalizing documents for community service.

Clinical Care



October 6 University Campus

- 14 faculties that provide specializations in the fields of applied technological and social sciences.
- A Center for Quality Assurance and Accreditation, aiming at spreading quality culture besides units for quality assurance and accreditation in all the faculties.
- An Excellence Centre for Training and Human Development.
- (189) laboratories with the total capacity of (6853) students.
- An academic and therapeutic hospital with the capacity of 320 beds
- 4 star hostel for female students with the capacity of 262 single and double rooms.
- 4 star hostel for male students with the capacity of 231 single and double rooms.
- An outdoor educational museum and another indoor museum for tourism.
- A fleet of buses to serve students and employees to commute between the different districts of Greater Cairo.
- A shopping mall and courts for basketball, handball, football and tennis.
- (124) studying halls and classrooms in addition to audio, visual and multimedia devices.
- A hall for conferences and symposia that can accommodate up to 300 persons.



A huge library which is considered a center of cultural dissemination. The library subscribes to more than 4500 electronic periodicals and it has 60 thousand e-book and 5 thousand books on CDs

Research

The Faculty of Medicine

The Faculty of Medicine is dedicated from its beginning to offer high-quality medical education to medical students and graduate physicians. Teaching, health care service and scientific experience are offered by excellent well-selected medical staff recruited from the most reputable and leading Egyptian medical faculties. Our students are supported by a well-equipped hospital which is sufficient enough to provide the pre-requisite clinical training essential for the acquisition of clinical skills by medical students.

They are in continuous contact and collaboration with the famous local and international medical institutes and professional centers. October 6 University is looking forward to achieve the international eminence as an academic institution for continuing medical education, clinical research and practice.

The first batch of students was graduated on February 2002. Now, we are on the steps of getting the international accreditation supported by the World Health Organization (WHO) which confirmed the inclusion of the Faculty of Medicine, October 6 University, within the WHO World Directory of Medical Schools. Graduates of the college are eligible to apply to and sit for PLAB section of the British Council in Cairo and the General Medical Council of the UK and other professional tests after fulfilling the requirement of the internship year of training.

Also, the Egyptian Minister of Health agreed to accept our graduates for getting the Egyptian fellowship certificates.



2014 graduation party

The University Hospital

October 6 University Hospital Founded in the year 2000, on 4500 Sq m. The hospital was perfectly designed to combine spaciousness, serenity, comfort and elegance of design as befits the grace of October 6 University, with ISO standards. The medical facility comprises **320 beds**, a number of which are being used for educational purposes by medical students, the rest are used for economy and paid medical care. Well-experienced specialists and nursing staff contribute to the success of the overall organization. Equipped with state-of-the-art equipment and devices used to serve all diagnostic and treatment purposes, complying with the highest and most advanced medical standards.

- **Mission** : The mission of October 6 University Teaching Hospital is to apply not only the reference academic standards but also implementing the international standards for quality control to deal with patients' health problems efficiently, effectively and ethically. Also, our institution aims to provide proper diagnostic and therapeutic services with high precision to meet the social and community needs and recommendations. The hospital aims to improve the skills of the employees through continuous medical education program designed to enhance patient outcomes and contributes to solve the community health problems of the city and region.
- **Vision**: The vision of October 6 University Teaching Hospital is to be one of the most reputable medical centers in the region.



October 6 University hospital

The orthopaedic department

Thanks to the efforts of Professor **Baha El Serauy** and **Dr. Khaled Fouda** who both served as the heads of the department during 2001 to 2006. They established a service out of nothing and paved the way for the forthcoming achievements.

Dr Mahmoud Hafez joined O6U as the Head of the department on September 2006. He brought with him 17 years of experiences and skills in Orthopaedics and related technology with the aim to transfere the technology of Computer Assisted Surgery in joint replacement that he gained from working in UK, USA and Canada.

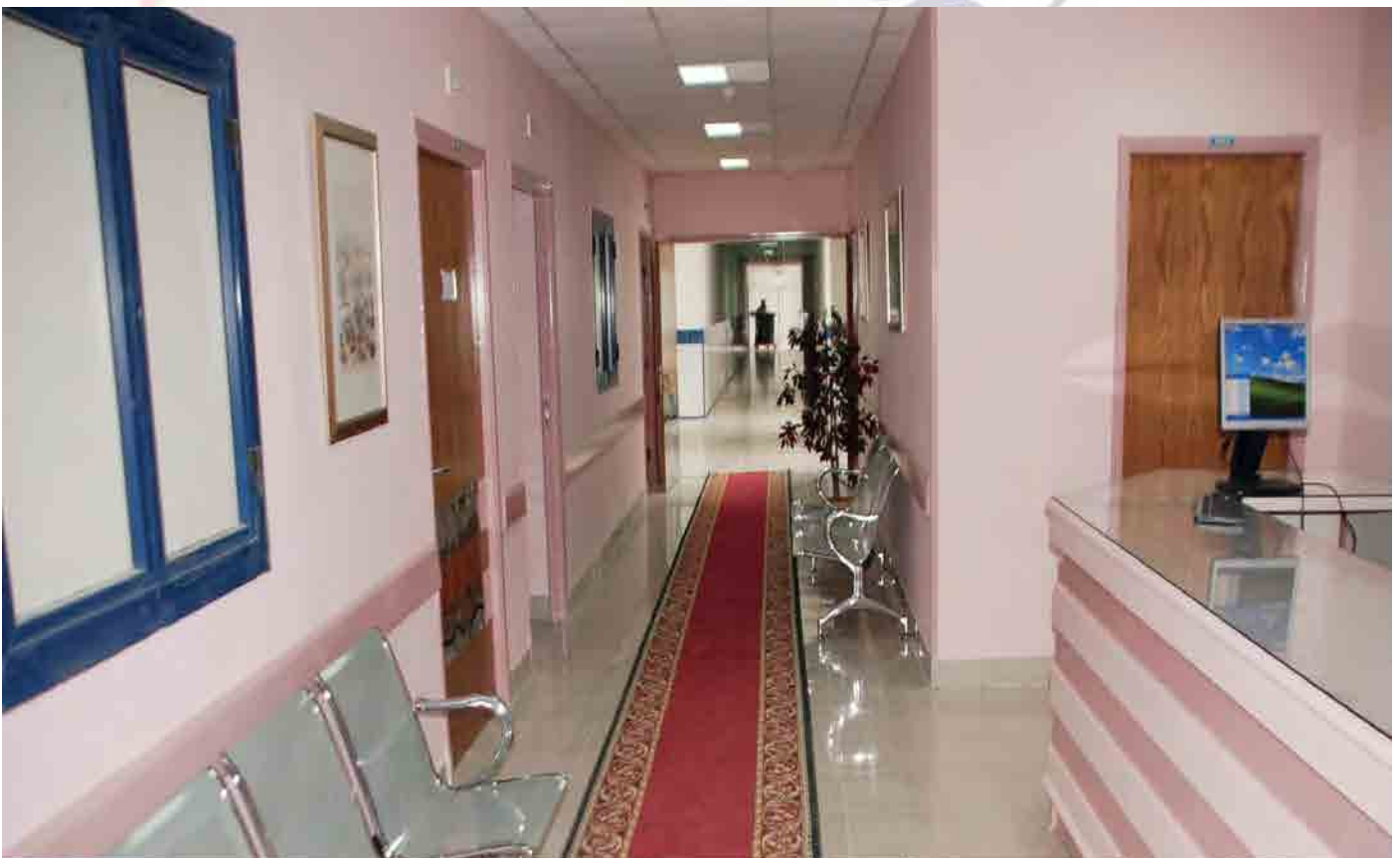
The department covers both academic and clinical services. The academic services include Undergraduate teaching & examination in medical, physiotherapy & nursing schools at the University. We also supervise postgraduate research degrees such as MSc, MD and Phd degrees for candidates who come as visiting fellows from other universities in Egypt. This in addition to postgraduate training of our residents and visiting doctors. An extra-curricular initiative started in 2008; professional diploma in orthopaedics and trauma.

The clinical services initially were part of the surgical services but in 2011, we established The Bone & Joint center as a separate intity.

The department has a specialized center in arthroplasty including non surgical treatment for arthritis and artificial joint replacement for hip, knee and other joints.

Physiotherapy group within the department works on all different subspecialties. However, there is a focus on rehabilitation for joint replacement. The group provides a gym facility to help improve physical fitness (especially for elderly people). Total and comprehensive care at home during rehabilitation by the orthopedic surgeons and physiotherapists is also provided.

In this prospectus, you will find more details about clinical, research & educational activities.



Bone & Joint Center reception

Staff

Academic

Mahmoud A Hafez, MSc Orth, Dip SICOT, FRCS Ed, MD,
Professor and Head of the Orthopaedic Dept., October 6 University

Ahmed El-Morsy, MD, MRCS, Fellow of the European Board of Othopaedics and
Traumatology, Lecturer of Orthopaedics, October 6 University

Ahmed Tamer, MSc, MRCS, Assistant Lecturer of Orthopaedics - October 6 University
Hospital

Karim Hamdy Abdel Kader, MSc, Assistant Lecturer of Orthopaedics - October 6
University

Clinical Fellows

Sharafeldin, MD, lecturer, Kordofan University, Sudan, 2014

Yusuf Ahmad, Jakarta, Indonesia, 2015

Specialists

- Sherif Ismaiel, Orthopaedic Specialist
- Islam Abo Yosef, Orthopaedic Specialist
- Hythem Abdel Hamid, Orthopaedic Specialist
- Rami Bakheet, Orthopaedic Specialist
- Mustafa Hamdi, Orthopaedic Specialist

Trainees

- Mark Ashraf, Resident of Orthopaedics
- Ahmad Adel, Visiting Resident of Orthopaedics
- Ahmed Kamar, Visiting Resident of Orthopaedics
- Mostafa El Nemr, Visiting Resident of Orthopaedics

Researchers

- Abdul-Rahman Elshafei, Computer Science
- Nada Ibrahim, Science
- Ismail Rashad, Clinical Research Fellow
- Hosamuddin Hamza, Dentistry
- Abdullah Ammoura, Biotechnology
- Ahmed Abdel El Mughny, Mechanical Engineering
- Ahmed Ibrahim: Archeticture
- Mariam Mounir, Undergraduate

Consultants and services

- **Hip and Knee Replacement Surgery:**
 - **Mahmoud A Hafez**, MSc Orth, Dip SICOT, FRCS Ed, MD, Prof & Head of the Dept.
 - **Ahmad El-Morsy**, MRCS, MD, Consultant of orthopaedic surgery
 - **Emad Saweeres**, FRCS Tr & Orth, MD, Consultant of orthopaedic surgery
- **Sport and Arthroscopy Surgery:**
 - **Kareem Alsokary**, MD, Consultant of orthopaedic surgery
 - **Ahmad Wageeh**, MD, MRCS, Consultant of orthopaedic surgery
 - **Mohamed Iraqi Hossam**, MD, Consultant of orthopaedic surgery
- **Pediatric Orthopedics & Deformity Correction:**
 - **Mohamed El-Morsy**, MD, Professor of pediatric orthopaedics, Banha University
 - **Assem Basteweesi Ahmed**, MD, Consultant of orthopaedic surgery
 - **Mohamed Abul Magd**, MD, Consultant of orthopaedic surgery
- **Orthopedic Tumor Surgery:**
 - **Aatef Morsy**, MD, Professor of orthopaedics, Beni-Suef University
- **Hand Surgery:**
 - **Ahmad Baha Alahwal**, FRCS Ed, Consultant of hand surgery
 - **Rashed Imam**, MD, Professor of orthopaedic surgery, Al Azhar University
- **Spine Surgery**
 - **Hussein Abdel Rahman Alomar**, MD, Consultant of spine surgery
 - **Ahmed Fathy**, MD, Consultant of orthopaedic surgery.
- **Pain Treatment:**
 - **Hisham Mohamed Farag**, FRCA, Consultant of Anesthesiology and pain treatment
- **Rheumatology**
 - **Kahled Sorour**, FRCP, MD, Professor of Rheumatology
- **Quality Control Manager:**
 - **Hazim Yasin**, Consultant of Anesthesia and critical care
- **Medical Education & Training Manager:**
 - **Magdy Abdul hameed**, Consultant of General Surgery

International employees and visitors from outside Egypt:

Name	Title	Country	Year
Mounir Abdel Moneim	Orthopaedic Resident	Sudan	2009
Ashish Jaiman	Research fellow-CAOS	New Delhi, India	2010
Ahmed El Basyuni	Consultant Orthopaedic Surgeon	Kent, UK	2010, 2011
Fayez Al Hariri	Orthopaedic Resident	Jordan	2011
Ahmed Bahaa	Consultant Hand Surgeon	UK	2011, 2013
Omar M.	Orthopaedic Resident	Libya	2012
Sami Almatroud	Consultant Pediatrics	Syria	2012-2013
Omar Gad	Orthopaedic Researcher	Ohio, USA	2013
Abdullah Ammoura	Research Fellow	Amman, Jordan	2013
Yasser Al Sabouni	Consultant Pediatric Surgeon	Syria	2013
Sharafeldin M.S.Ibrahim	Clinical Fellow -CAOS	Sudan	2014

Visiting Consultants working in October 6 University Hospital

Institute	Faculty	Specialty
Military Medical Academy	Khaled Sorour	Consultant Orthopaedic Surgeon
Banha University	Mohamedl El Morsy	Consultant Orthopaedic Surgeon
Beni Sweif University	Atef Morsy	Professor & Head of Orthopaedic Dept.
Al Helal National Orthopaedic Hospital	Karim Mohamed Al Sokary	Consultant Orthopaedic Surgeon
National Institute for Neuro-Motor System	Ahmed Wagih	Consultant Orthopaedic Surgeon
Ahmed Maher Teaching Hospital	Hussein Abdel Rahman Omar	Consultant Orthopaedics & Spine Surgery
Zayed Specialized Hospital	Ahmed Fathi	Consultant Orthopaedics & Spine Surgery
Al Azhar University	Rashed Emam	Consultant Orthopaedic Surgeon
El Sahel teaching hospital	Maher Fansa	Consultant Orthopaedic Surgeon
El Sahel teaching hospital	Emad Samuel Saweeres	Consultant Orthopaedic Surgeon



Bone & Joint Center staff

Bone & Joint Center

Bone & Joint center was established in the beginning of 2011, as a self funded unit inside the hospital. A wing of more than **20 rooms** in the **third floor** of the hospital was reconstructed and refurbished with the aim to establish a center of excellence in Arthroplasty and take this as a model to gradually improve other services in Orthopaedic subspecialties.

Prof. Mahmoud Hafez, Director of Surgical Services of Bone & Joint Center:

Trained & worked: In UK for > 10 years, passing through basic (SHO) & higher (SpR) surgical training and working as senior registrar & locum consultant.

Subspecialty experience: In hip and knee arthroplasty was gained from 3 international centres;

1. Wrightington Hospital, Wigan, UK (2004)
2. Western Pennsylvania Hospital, Pittsburgh, Pennsylvania, USA (2005)
3. St Michael's Hospital, Toronto, Ontario, Canada (2006)

Special interest: Navigation & CAOS, particularly in hip and knee arthroplasty

Pioneer: Patient specific instruments (PSI) for total knee arthroplasty (TKA). The interest in computer assisted orthopaedic surgery (CAOS) started in 1998 with a one-year fellowship in navigation and robotics, University of Hull, UK. In 2001, then initiated and ran a laboratory project at the University of Leeds, UK leading to the development of the novel technique of PSI. It has been clinically used worldwide since 2008 with > 10,000 case/a month. He filed 4 patents related to this technology and granted 3 awards. He published 10 book chapters, few editorials & several originals in this field.

First to do:

- Patient Specific Templating for total knee replacement (TKR)
- TKR by navigation in Arab countries
- Total hip arthroplasty by computer assisted surgery in Arab countries

CLOSE UP

Prof and Head of the Department and Director of Surgical Services:
Prof. Mahmoud A. Hafez



Other positions:

- Consultant Arthroplasty Surgeon (part time):
 - o NHS hospitals, UK (locum consultant)
 - o Al Helal Hospital (National Orthopaedic Hospital in Egypt)
- Examiner, SICOT Diploma, World Orthopaedic Organization, Belgium
- Representative of Egypt in International Society of Arthroplasty Registries, Sweden
- Delegate for Egypt in CAOS International Society, Switzerland
- Delegate for Egypt in International Federation of Inventors Association, Hungary
- Editor & reviewer to few orthopaedic, medical & scientific journals & institutes worldwide
- Founder & Head of the Egyptian Musculoskeletal Research Group (EMRG), Egypt
- Chairman of the Int Arthroplasty Conference and the Orthopaedic Review Course, Egypt

Bone & Joint Center guarantees for patients:

1. Advanced medical services with professors & consultants who have extensive experience within Egypt and abroad
2. Hi tech computerized surgical techniques and navigation surgery
3. Precise health data and lifetime follow up for major operations
4. Consultation for severe cases with colleagues at internationally prestigious medical centers, UK, USA and Canada.

Services:

- Non operative management of arthritis.
- Artificial joint replacement for Hips and knees.
- Knee replacement including first and revision.
- Using navigation, computer assisted surgery.
- Custom-made cutting guides for knee & hip replacement.
- Follow up of old joint replacement.

Other orthopaedic subspecialties supervised by a group of elite orthopaedic consultants from the UK and faculty members of Egyptian universities include:

- Sports injuries and arthroscopy
- Spinal injuries & disorders
- Shoulder and hand diseases
- Deformity correction & Ilizarov
- Pediatric orthopaedics
- Pain management
- Oncology (limited facility)
- Rheumatology

CLOSE UP

Director of Medical Services:

Dr. Hisham M. Farag



- Fellow of the Royal College of Anesthesiologists
- Member of Ethical Committee, O6U
- Member of Al Mohsen Medical Charity
- Ex Operating Room Manager, O6U Hospital
- Ex Consultant of Anaesthesia, San George Hospital, UK
- Ex Associate Professor, King Faisal University, KSA
- Ex Consultant of Anaesthesia, Aramco Hospitals, KSA
- Contributed to the foundation of the first pain management center in Saudi Arabi
- He is a specialist in vertebral column pain management, his clinical interests are intraarticular injections for vertebral column, acupuncture, nerve root injection, migraine and headache management, chronic joints and nerves pain treatment, and pain relief for severe tumors



Advanced kinematic assessment

Navigation system in TKR

Clinical Care

Arthroplasty services in our unit are nearly comprehensive and unique as they include different types of traditional techniques and recent such as minimally invasive and computer-assisted surgery. The scope of our services is joint replacement: traditional techniques in arthroplasty, total knee arthroplasty, unicompartmental knee arthroplasty, hip hemiarthroplasty, resurfacing hip arthroplasty, total hip arthroplasty (cemented, hybrid, uncemented, metal on metal and ceramic on ceramic), shoulder hemiarthroplasty and total shoulder arthroplasty.

We also target minimally invasive surgery (MIS), mini lateral approach for the hip, MIS total knee arthroplasty, navigation and computer-assisted surgery. The outcome assessment for our patients includes arthroplasty sheets (hip and knee scores) and arthroplasty register.

The operating rooms are dedicated with tele medicine unit with integrated live surgery camera system that can connect to 5 sources (Navigation, Arthroscopy, C-arm, operative field & X-ray monitor with digital templating).

We have international collaboration with Cleveland Clinic, Ohio, USA (1st Arthroplasty Conference 2008, 3rd Arthroplasty Conference 2010, 4th Arthroplasty Conference 2011); UK (review course 2009, review course 2010 braddock visit). We also share consultation with colleagues at Cleveland clinic, Ohio, USA; San Michael's Hospital, Toronto, Canada & Hospitals of the University of Leeds, UK.

The department staff members are pioneers in patient-specific cutting guides for total knee replacement (TKR); navigation for TKR in the Middle East, total hip arthroplasty by computer-assisted surgery in the Arab world, community arthroplasty register in the Arab world. They provide primary and revision of total hip and knee replacement as well as unicompartmental, knee and hip resurfacing.



Live surgery camera system



Navigation System



TKR by Navigation

The main operating room equipped with navigation system & intergrated live surgery camera

Clinical Care

A list of Professors and Consultants who have participated in joint replacement operations using patient specific instruments from 2013 to 2014 at October 6 University Hospital

	Surgeon Name	University
1	Mahmoud Mabrouk	Prof. and Head of Orthopaedic Dept., Al-Azhar University
2	Maher El-Assal	Prof. and Head of Orthopaedic Dept., Assiut University
3	Yasin El-Ghoul	Prof. and Head of Orthopaedic Dept., Suez Canal University
4	Fouad Zamel	Orthopaedic Prof.- Arthroplasty Consultant, Cairo University
5	Mohamed Radwan	Assistant Prof. of Orthopaedics, Suez Canal university
6	Mohamed Abo El-Seoud	Arthroplasty Consultant and Assistant Prof., Cairo University
7	Ahmed Bahaa El-Din El-Ahwal	Consultant Orthopaedics, UK and October 6 University
8	Ahmed Basyouni	Consultant Orthopaedics, UK and Al-Mounira General Hospital, Cairo, egypt
9	Maher Fansa	Consultant Arthroplasty, Al-Helal Hospital
10	Emad Saweeres	Consultant Arthroplasty, Al-Sahel Teaching Hospital
11	Alaa El-Tahan	Consultant Orthopaedics,, Al-Helal Hospital
12	Mohamed Abo El-Magd	Consultant Orthopaedics, Ahmed Maher Teaching Hospital
13	Ahmed Wagih	Consultant Orthopaedics, National Institute for Neuro-Motor System
14	Ahmed Hazem Abd El-Azim	Lecturer and Consultant Orthopaedic Surgeon, Cairo University

Examples of our cases

Case 1: Young patient with complex THR



22 years old female with bilateral fused hips following multiple surgeries for DDH at age 2. She has been unable to sit or walk properly and had hip flexion deformity 30 degree. She had complex bilateral primary THR in 2008

Case 2: THR & correcting 6 cm shortening



Total hip replacement (THR) with computer aided planning for 6 cm shortening and a very small cup 38 mm. This 29 years old female had infection Lt hip at age 7.

Case 3: Conversion of old fused hips to THR



Computer assisted THR for longstanding bilateral fused hips in 52 years male who had bilateral fracture neck of femur and multiple failed surgeries 27 years ago.

Case 4: Reconstruction of 6 joints in one patient

35 years old male with Juvenile Idiopathic Arthropathy (JIA). He presented with fused bilateral hips, knees & ankle & 40 degree flexion deformities of hips & knees. He had 4 joints replacement for hips & knees and pantalar arthrodesis for right foot & ankle. Every 2 joints were done in single session due to difficult intubation



Case 5: Revision surgery for 4 joints



Computer assisted bilateral knee replacement following failed femoral osteotomies & revision of bilateral failed hip replacement. This rheumatoid patient was non walker due to knee flexion deformities and severe hip pain but was able to walk after surgery.

Case 6: Bilateral simultaneous revision knee implants



Bilateral simultaneous revision knee implants for ligamentous instability and bone loss.



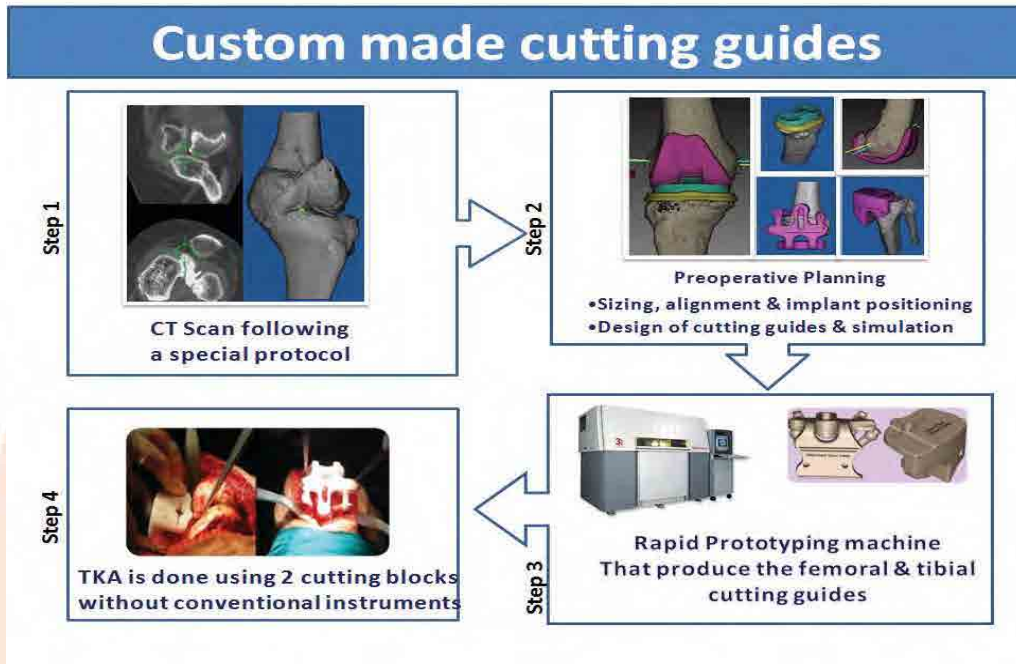
Case 7: Bilateral simultaneous uni-compartmental



تقنية القوالب الإلكترونية للمفصل الصناعي للركبة
(تكنولوجيا الجراحة المدعومة بالكمبيوتر)

**Patient specific instruments (PSI) for total knee replacement:
The open platform technique**

•Patient specific instruments (PSI) for TKR is now used almost routinely in our center by Prof Mahmoud A Hafez. The technique used is called an open platform PSI, as it can be used for any TKR implants. The personal experience of Dr Hafez indicate that this PSI technique can make a revolution in the management of TKR in the Middle East. In addition



2 Pieces for PSI instead of more than 100 pieces of conventional instruments

In addition, here are the objective findings based on our **clinical outcome studies**.

- **Egyptian Community arthroplasty register (>300 TKR)**

- For PSI: Blood transfusion rate 5%, walking within 3 hours postoperative, less complication rate and hospital stay <3 days.

- **A study on 100 bilateral simultaneous TKR for OA with severe articular deformities**

- (>20 degrees) for PSI: Hospital stay 4 days, operative time reduced from 30-50 % and walking in the same day.

- **A study comparing conventional, navigational and PSI techniques on 150 TKR**

- PSI accuracy is comparable with navigation but PSI has the shortest operative time and is the least expensive.

There are 3 award winning patents (see pages 48, 49 & 50)

In addition to collaboration with various centers abroad, we have operated on many international patients who came to us from these countries:

Yemen, Sudan, Libya, Saudi Arabia, Kuwait, UAE, Syria, Iraq, Somalia, Djibouti, Palestine, Jordan, Eritrea, Nigeria, Russia, Ukraine, UK, Italy, Germany, USA, Canada

Collaboration with Cedarcrest Hospital in Abuja, Nigeria with visiting consultant going from October 6 University to Abuja to perform surgery and train surgeons, nurses and technicians. They also come from Nigeria for training at October 6 University Hospital.



First patient in Nigeria to have bilateral total knee arthroplasty using computer assisted techniques by Prof Hafez. The patient was able to walk within 24 hours



Visitors from India, Indonesia, Nigeria and Sudan who came to our hospital to watch knee replacement operations while using the new technique of patient specific instruments
November 2014

Education

Our educational service covers a wide range of topics for both undergraduate and postgraduate students. We set up international conferences/symposia on orthopaedic surgery.

Undergraduate

1. Faculty of Medicine: Year 6
2. Faculty of Applied Medical Sciences: Nursing, year 2
3. Faculty of Physiotherapy:
 - a. Year 1: Orthopaedic trauma
 - b. Year 2: Orthopaedics.
 - c. Year 2: Sports.

Many modules are supported by e-learning

Samples of lectures: Orthopaedic Handouts; General Principles-Trauma can be found in our website (www.egyorth.org)

Postgraduate

1. Training and degrees.
 - a. Professional Diploma in Arthroplasty and related Technology (started 2014)
 - b. Professional Diploma in Orthopaedics (started 2008)
 - c. Professional Diploma in Orthopaedics Trauma (started 2010)
 - d. Professional diploma in sports injuries (On Preparation)

Master and MD

An academic cooperation agreement was signed between many governmental universities and October 6 university (O6U) and endorsed by the supreme council of national and private universities June 4, 2011 by which O6U is allowed to offer postgraduate programs in Collaboration with Theses Universities and the degree will be granted by them.

The most important for orthopaedics is the agreement with Beni-Suef University, where there is an orthopaedic training program will be established by the heads of the departments on each side.




Presidents of O6U and Beni-Suef University



Photo during the agreement with Beni-Suef University


Education

E-learning



جامعة 6 أكتوبر - مركز التعلم الإلكتروني

October 6 University E-learning Center



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Document
View mode : [Student](#) | [Course manager](#)

0012

General Principles of Orthopaedics

0012
Dr Mahmoud A Hafez

Name	Size	Last modification date	Modify	Delete	Move	Visibility
<input type="checkbox"/> 1- History taking and examinations						(a) (b) (c) (d) (e)
<input type="checkbox"/> 2- Normal Bone						(a) (b) (c) (d) (e)
<input type="checkbox"/> 3- Abnormal Bone						(a) (b) (c) (d) (e)
<input type="checkbox"/> 4- Normal Joints						(a) (b) (c) (d) (e)
<input type="checkbox"/> 5- Abnormal Joints						(a) (b) (c) (d) (e)
<input type="checkbox"/> 6- Arthroplasty Hip Replacement						(a) (b) (c) (d) (e)
<input type="checkbox"/> 7- Arthroplasty Knee Replacement						(a) (b) (c) (d) (e)
<input type="checkbox"/> 8- Nerves and Neurophysiology						(a) (b) (c) (d) (e)
<input type="checkbox"/> 9- Pediatrics TEV (Club Foot), Cerebral palsy & Neuromuscular Disorder						(a) (b) (c) (d) (e)
<input type="checkbox"/> 10- Pediatric Hip Disease (Perthes, DDH & Multiple Epiphyseal Dysplasia)						(a) (b) (c) (d) (e)
<input type="checkbox"/> 11- Congenital Abnormalities & Deformities e.g. Osteogenesis Imperfect						(a) (b) (c) (d) (e)
<input type="checkbox"/> 12- bone tumors						(a) (b) (c) (d) (e)
<input type="checkbox"/> 13- Infections Osteomyelitis and septic arthritis						(a) (b) (c) (d) (e)
<input type="checkbox"/> 14- Spinal disorders						(a) (b) (c) (d) (e)

Manager(s) for 0012 : [Dr Mahmoud A Hafez](#)
Administrator for : [Q6U - E-Learning Center](#)
Phone : 01154300123
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Education

A list of doctors who have been trained on joint replacement operations using patient specific instruments from 2013 to 2014, October 6 University Hospital

	Surgeon Name	University
1	Mohamed Mousa	Assistant Lecturer of Orthopaedics, Assiut University
2	Ali Mohamed Abo El-Fath	Assistant Lecturer of Orthopaedics, MUST University
3	Sharaf Eldin Edris	Lecturer of Orthopaedics, Kordofan University, Sudan
4	Ahmed Tamer	Assistant Lecturer of Orthopaedics, October 6 university
5	Sherif Ismail	Orthopaedic Specialist, October 6 University
6	Mostafa Hamdy	Orthopaedic Specialist, Sheikhh Zayed Specialized Hospital
7	Karim Hamdy	Orthopaedic Specialist, October 6 university hospital
8	Mark Ashraf	Orthopaedic Resident, October 6 University Hospital
9	Ramy Yousef	Orthopaedic Resident, October 6 University Hospital
10	Haytham Abd El-Hamid	Orthopaedic Resident, October 6 University Hospital
11	Ahmed Kamar	Orthopaedic Resident, October 6 University Hospital
12	Mostafa El-Nimr	Orthopaedic Resident, October 6 University Hospital
13	Ahmed Adel	Orthopaedic Resident, October 6 University Hospital

Collaboration with cleveland clinic, Ohio, USA, since 2008 education.

Since this time we had 13 visits by consultant orthopeadic surgeons from celeveland clinic, Ohio and Florida

Professional Diplomas

Professional diploma in orthopedics

The diploma started 2008 following the successful establishment of the orthopaedic training program. It was done in collaboration with the Arab Medical Union at that time. The degree helps candidates to qualify for the title "Orthopaedic Specialist".

Objective: At the end of the program, candidates will acquire the knowledge and skills of basic trauma and orthopaedics. Also they should be able to practice efficiently and safely.

Teaching methods

- Lectures, seminars and interactive discussions.
- Hands-on Workshops.
- Operative training and live surgery.
- Regular assessment and end of the course exam.

Instructors

The instructors are professors of Orthopaedics from different Egyptian Universities as well as some regional and international guest speakers.

Professional diploma in trauma 2010



Professional diploma in orthopaedics
2008-2009



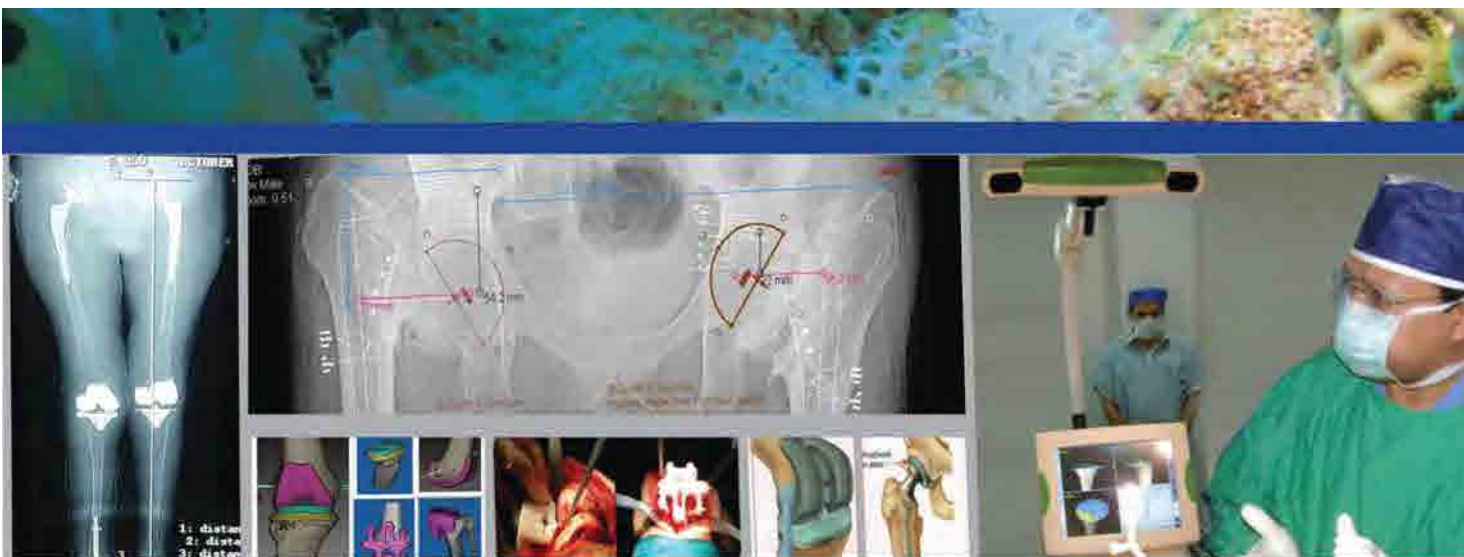
Professional diploma in trauma
2010-2011



Professional diploma in trauma
2010-2011



Professional diploma in trauma
2010-2011



Fellowship in Arthroplasty & Related Technology

» Scientific Committee:

• Mahmoud Hafez

• Mahmoud Mabrouk

• Emad Saweeres

1 Year structured training in arthroplasty (Theoretical & Operative)

» Semester I

Basic Science

- » Anatomy & Approaches
- » Biomechanics, Biomaterials
& research methodology

» Semester II

Regional Arthroplasty

- » Hip hemiarthroplasty
- » Total hip replacement
- » Total knee replacement
- » Osteotomy (small or large joint)
- » Fusion (small or large joint)

» Semester III

Special & Advanced
Techniques in Arthroplasty

- » New techniques & proceducers
- » New Implants & Materials
- » New Bearing surfaces
- » CAOS: Navigation, robotics
& patient specific instruments

- Fellowship Rotations
in 10 hospitals :

- Hands-on Workshops.
- Telemedicine
- Arthroplasty Review Course & Conference

Operative training 2 days weekly

(In 3 hospitals - 4 months each)

- live surgery
- Independent Study

www.egyorth.org

For more informations

☎ (+2) 0100 00 49 984

Courses

- First Aid Course, 2014
- Orthopaedic Review Course (2009, 2010 and 2011)
- Orthopaedic Skills Course (2011, 2013 and 2015)
- Orthopaedic Nursing Course (2011)
- Radiation protection course. (2010)
- Geriatric Medical care (2012)



Orthopaedic nursing course (2011) with a visiting speaker, prof Kim A Critchley, RN PhD, Dean, University of Prince Edward Island School of Nursing, Canada



Orthopaedic review course 2009

Visiting consultants and professors worldwide to October 6 University

More than 50 professors from Europe, North America, Asia, and other countries have been invited by October 6 University from 2007 to 2014

Name	Title	Country	Year
James Waddell	Professor of Orthopaedics, Toronto University	Toronto, Canada	2007
Klaus Radermacher	Professor & Head of biomedical engineering Dept., Aachen University	Aachen, Germany	2007
Frank Portiene	PhD, Computer Scientist, Orthotaix	Aachen, Germany	2007
Sam Hakki	Consultant Orthopaedic Surgeon, Bay Pines Health Care	Florida, USA	2007, 2011
Joseph Iannotti	Professor & Chairman of Orthopaedic Dept., Cleveland Clinic	Ohio, USA	2008
Wael barsoum	Vice Chairman, Orthopaedic Dept., Cleveland Clinic	Ohio, USA	2008, 2009, 2010, 2011
Bernard Masson	Scientific Consultant, Ceramtec	Paris, France	2008, 2009, 2011
Brian Bradnock	Professor of Orthopaedics, St. Albion Hospital	London, UK	2009
Jean Yves Lazennec	Professor of Orthopaedics, la PitieSalpêtrière, teaching hospital	UPMC Paris, France	2009
Hedi Sari Ali	Orthopaedic Surgeon, la PitieSalpêtrière, teaching hospital	UPMC Paris, France	2009
Peter Giannoudis	Consultant Trauma Surgery, Leeds Teaching Hospitals	Leeds, UK	2009
AbhayRao	Consultant Spine Surgery, Leeds Teaching Hospitals	Leeds, UK	2009
Peter Templeton	Consultant Paediatric Surgery, Leeds Teaching Hospitals	Leeds, UK	2009
Frank Howell	Consultant Orthopaedic Surgeon	Grimsby, UK	2009
Shawki Y Rashad	Consultant Orthopaedic Surgeon, Hospitals of London Uni.	London, UK	2009, 2010
Khaled Batterjee	Dean of the Faculty of Medicine, BMC	Jeddah, Saudi Arabia	2010
Gregory Gilot	Chairman Orthopaedic Surgery Dept., Cleveland Clinic	Florida, USA	2010
Ahmed El Nasri	Consultant Orthopaedic Surgeon, RJAH	Oswestry, UK	2010
Simon Roberts	Consultant Orthopaedic Surgeon, RJAH	Oswestry, UK	2010
Simon Pickard	Consultant Orthopaedic Surgeon, RJAH	Oswestry, UK	2010
Shenoda Shalabi	Consultant Orthopaedic Surgeon	London, UK	2010
James Rosneck	Consultant Orthopaedic Surgeon, Cleveland clinic	Ohio, USA	2010, 2011
Amr Fahmi	Consultant Orthopaedic Surgeon	UK	2011
Wagih Mousa	Consultant Orthopaedic Surgeon	Southampton, UK	2011
Kim A Critchley	Professor & Dean of School of Nursing	Canada	2011
Randy E Ellis	Consultant Orthopaedic Surgeon, Uni of Kingston	Kingston, Canada	2011
Avadhoot Prakash Kantak	Consultant Orthopaedic Surgeon	UK	2011
Karlos Higuers	Consultant Orthopaedic Surgeon	Ohio, USA	2011

Thank you for visiting O6U

Visiting consultants and professors worldwide to October 6 University

	Cleveland Clinic		
Scott Oliver	Consultant Orthopaedic Surgeon, Mass General Hospital	Boston, USA	2011
Hany Haider	Consultant Orthopaedic Surgeon, Uni of Nebraska	Nebraska, USA	2011
Jeffrey F Traina	Consultant Orthopaedic Surgeon	Florida, USA	2011
R.C Siwash	Consultant Orthopaedic Surgeon	India	2011
Arafat M Dissi	Consultant Orthopaedic Surgeon	Amman, Jordan	2011
Helmi Fekry	Consultant Orthopaedic Surgeon, Derriford Hospital	Plymouth, UK	2011, 2014
Frederek Picard	Consultant Orthopaedic Surgeon, Clydebank	Glasgow, Scotland	2011, 2012
Emmanuel Thienpont	Consultant Orthopaedic Surgeon, Uni Hospital Saint Luc	Brussels, Belgium	2011, 2012
Peter Koch	Consultant Orthopaedic Surgeon, Zurich	Switzerland	2011, 2013
Flavien Massi	Consultant and Evaluator, Intellegencia Co.	Luxemburg	2012
Richard Bibb	Reader in Medical Applications of Design, Loughborough Design School	Loughborough, UK	2012
Nicolae Balc	Dept.of Manufacturing Engineering, Technical University of Cluj-Napoca	Cluj-Napoca, ROMANIA	2012
Petru Berce	Dept.of Manufacturing Engineering, Technical University of Cluj-Napoca	Cluj-Napoca, ROMANIA	2012
Kash Akhtar	Consultant Orthopaedic Surgeon	London, UK	2012
Kamal Deep	Consultant Orthopaedic Surgeon	Glasgow, Scotland	2012
Mohamed Khairi Al Gamal	Consultant Orthopaedic Surgeon	Riyadh, KSA	2012
Bassim Flega	Consultant Orthopaedic Surgeon	Bonn, Germany	2012
Khaled Fouda	Consultant Orthopaedic Surgeon	Liverpool, UK	2012
Siegfried Hoffmann	Associate Professor	Maraw, Austria	2013, 2014
Wael Khalaf	Consultant Orthopaedic Surgeon	Amman, Jordan	2013
Rajiv Maharjan	Consultant Orthopaedic Surgeon	Dharan, Nepal	2013
Kevin P Sherman	Chairman MRCS Examination	Hull, UK	2013

Thank you for visiting O6U



Conferences

Arthroplasty Conferences:

An international conference held annually in Sharm El Sheikh, Egypt from 2008 till now. A group of experts in arthroplasty from North America, Europe, Egypt and Middle East are invited. It includes special events such as the Symposium on Custom-made cutting guides and Middle East Symposium on CAOS (Navigation and others)

• International Arthroplasty Conference, Sharm El sheikh

- 1st Arthroplasty Conference 2008
- 2nd Arthroplasty Conference 2009
- 3rd Arthroplasty Conference 2010
- 4th Arthroplasty Conference 2011
- 5th Arthroplasty Conference 2012
- 6th Arthroplasty Conference 2013
- 7th Arthroplasty Conference 2014
- 8th Arthroplasty Conference 2015
- 9th Arthroplasty Conference 2016

Symposium on Patient-Specific Cutting Guides:

- 1st Symposium on Custom-made Cutting Guides for TKA 2011
- 2nd Symposium on Custom-made Cutting Guides for TKA 2012
- 3rd Symposium on Custom-made Cutting Guides for TKA 2012
- 4th Symposium on Custom-made Cutting Guides for TKA 2014
- 5th Symposium on Custom-made Cutting Guides for TKA 2015
- 6th Symposium on Custom-made Cutting Guides for TKA 2016



Symposium on the Use of Additive Manufacturing Technology in Computer Assisted Surgery
2012



International Arthroplasty Conference 2014

Conferences

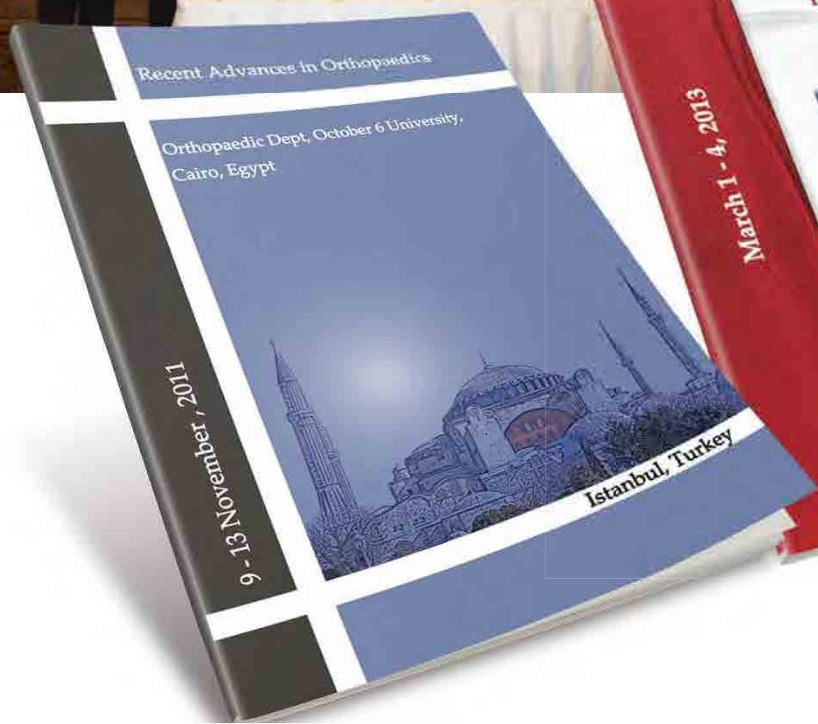
Computer Assisted Orthopaedic Surgery Symposia

- 1st Middle East CAOS Symposium 2005
- 2nd Middle East CAOS Symposium 2006
- 3rd Middle East CAOS Symposium 2007
- 4th Middle East CAOS Symposium 2008
- 5th Middle East CAOS Symposium 2009
- 6th Middle East CAOS Symposium 2010
- 7th Middle East CAOS Symposium 2011
- 8th Middle East CAOS Symposium 2012
- 9th Middle East CAOS Symposium 2013
- 10th Middle East CAOS Symposium 2014
- 11th Middle East CAOS Symposium 2015
- 12th Middle East CAOS Symposium 2016

Conferences outside Egypt

Recent Advances in Orthopaedics:

- Istanbul, Turkey, 9-13 November 2011
- Barcelona, Spain, 1-4 March 2013
- Italy, Rome, 19-20 April 2013
- Amman, Jordan, 29-31 May 2014



Invited speakers from different institutes in Egypt who scientifically participated as speakers in our courses and conferences

No	Name	Institutes, Specialty	Year
1.	Ibrahim El Ganzoury	Professor of Orthopaedics, Ain Shams University.	2008,2010,2011
2.	Ahmed Hassan	Professor of Orthopaedics, Alexandria University.	2008,2009
3.	Ahmed Abdel Aziz	Professor of Orthopaedics, Cairo University.	2009,2010
4.	Timoure Al Housseiny	Professor of Orthopaedics, Ain Shams University.	
5.	Tarek Abdel Shafy	Professor of Orthopaedics, Cairo University.	2009,2010,2012,2013
6.	Rafik Sadek	Professor University and Head of Orthopaedic Dept., Ain Shams University.	2009
7.	Akram Azam	Professor and. ex Head of Orthopaedics, Cairo University.	2009
8.	Amal Balbaa	Professor of Microbiology, Cairo University-October 6	2009
9.	Ashraf El Nahhal	Cairo University.	2009
10.	Fouad Zamel	Assistant Professor of Orthopaedics, Cairo University.	2009,2010,2011,2013
11.	Hazem Abdel Azeem	Head of Orthopaedic Department, Cairo University.	2008,2009
12.	Hesham Abdel Ghany	Consultant of Orthopaedics, Cairo University.	2009,2010
13.	Mamdouh Mahfouz	Professor of Radiology, Cairo University.	2009
14.	Mohamed El Sobky	Professor of Orthopaedics, Cairo University	2009,2010
15.	Sherif Amin	Professor and Head of Orthopaedics, Cairo University.	2009
16.	Sherif Amr	Professor and Head of Orthopaedics, Cairo University.	2009
17.	Walid Ebeid	Professor of Orthopaedics, Cairo University.	2009,2010,2011
18.	Yasser El Miligui	Assitant Professor of Orthopaedics, Cairo University.	2009,2010
19.	Yousry El Hawary	Assitant Professor of Orthopaedics, Cairo University.	2009,2010
20.	Abdel Mohsen Arafa	Assitant Professor of Orthopaedics, Ain Shams University.	2009
21.	Ahmed Saeed	Assitant Professor of Orthopaedics, Ain Shams University.	2009,2010
22.	Ezzat Kamel	Assitant Professor of Orthopaedics, Ain Shams University.	2009,2010,2011,2013
23.	Mahmoud El Sebail	Professor of Orthopaedics, Ain Shams University.	2008,2009,2010,2011
24.	Mahmoud Fayed	Professor of Orthopaedics, Ain Shams University.	2009,2010
25.	Khalid Al Adwar	Professor of Orthopaedics, Alex University.	2009,2010,2011
26.	Khamis El Deeb	Professor of Orthopaedics, Alex University.	2009,2010
27.	Adel Hamid	Professor of Orthopaedics, Al-Azhar University.	2009,2010
	Hossam El Shahe	Alex. University	2015

Thank you for visiting O6U

Invited speakers from different institutes in Egypt who scientifically participated as speakers in our courses and conferences

28.	Gad Ragheb	Professor of Orthopaedics, Al-Azhar University.	2009
29.	Essam El Sherif	Professor of Orthopaedics, Assuit University.	2009
30.	Hatem Galal Zaki	Professor of Orthopaedics, Assuit University.	2009,2010
31.	Atef Morsy	Professor of Orthopaedics, Assuit University.	2009,2010,2011
32.	Ayman Ebeid	Professor of Orthopaedics, Menoufiya University.	2009,2010,2011
33.	Emad Samuel Saweeres	Assitant Professor of Orthopaedics, El-Sahel Teaching.	2009,2010,2011,2012,2013
34.	Gamal Hosny	Professor of Orthopaedics, Banha University.	2009,2010
35.	Hesham Abdel Baky	Professor of Orthopaedics, Nasr Institute.	2009,2010
36.	Mohamed Awad	Consultant of Orthopaedics, El Helal Orthopaedic Hospital.	2009
37.	Mohamed Fadel	Consultant of Orthopaedics, El Helal Orthopaedic Hospital.	2009
38.	Mohamed Shafik	Assitant Professor of Orthopaedics El Menia University.	2009
39.	Osama Hegazy	Professor of Orthopaedics, Tanta University.	2009,2010
40.	Raouf El Abbasy	Professor of Orthopaedics, Banha University.	2008,2009,2011
41.	Samer Kotb	Professor of Orthopaedics, Military Medical Academy.	2009
42.	Tarek El Ghazaly	Professor of Orthopaedics, El Mansoura University.	2009
43.	Akram El Dawoudy	Consultant of Orthopaedics, Al Helal Hospital.	2009,2010,2011
44.	Nagy Sabet	Consultant Orthopaedics, Alexandria MOH.	2009,2010
45.	Ann Abdel Kader	Assitant Professor of Orthopaedics, MUST University.	2010
46.	Mahmoud Abdel Kerim	Professor. of physiology, Cairo University.	2010,2011,2012,2013
47.	Hazem Mohram	Assitant Professor of Orthopaedics, Cairo University.	2010
48.	Yasser El Safouri	Professor of Radiology, Cairo University.	2010
49.	Mahmoud Mabrouk	Professor of Orthopaedics, Cairo University.	2010,2013
50.	Wael Samir	Professor. of Orthopaedics, Al Azhar University	2010,2011
51.	Khaled Shohaib	Lecturer of Orthopaedics, Ain Shams University.	2010
52.	Samir Kotb	Assitant Professor of Orthopaedics, Cairo University.	2010
53.	Ahmed Abdel Samei	Assitant Professor of Orthopaedics, Mansoura University.	2010,2011,2012
54.	Mohamed Al Shafei	Professor of Orthopaedics, Military Academy.	2010
55.	Maher Fansa	Professor of Orthopaedics, Menia University.	2010,2011,2012
56.	Mostafa Hegazi	Consultant Orthopaedics, Al Sahel hospital.	2010
57.	Maher El Assaal	Professor of Orthopaedics, Tanta University.	2010,2011
58.	Sameh Younis	Professor of Orthopaedics, Assiut University.	2010
59.	Farouk Karam	Consultant of Orthopaedics, Al-Helal Hospital.	2010
60.	Samir El Sayed	Consultant of Orthopaedics, Al-Sahel Teaching Hospital.	2010,2011
61.	Hatem Sharaf El Din	Consultant of Orthopaedics, Al-Sahel Teaching Hospital.	2010

Invited speakers from different institutes in Egypt who scientifically participated as speakers in our courses and conferences

62.	Osama Farouk	Consultant of Orthopaedics, The Academy of Scientific Research and Technology.	2010
63.	Eissa Ragheb	Professor of Orthopaedics, Assiut University.	2010
64.	Ashraf Al Tabei	Professor of Orthopaedics, Al Azhar University.	2010
65.	Ahmed Emad	Professor of Orthopaedics, Al Azhar University.	2010
66.	Khaled Emara	Professor of Orthopaedics, Ain Shams University.	2010
67.	Amr Abdel hadi	Assistant Professor of Orthopaedics, Ain Shams University.	2008,2010
68.	Maged Samy	Professor of Orthopaedics, Ain Shams University.	2010
69.	Abdel Fattah Souod	Professor of Orthopaedics, Ain Shams University.	2010
70.	Mohamed Kattab	Professor of Orthopaedics, Ain Shams University.	2010
71.	Hassan El Zahhar	Lecturer of Orthopaedics, Ain Shams University.	2010
72.	Mohamed Sobhy	Professor of Orthopaedics, Ain Shams University.	2010
73.	Ahmed Kholeif	Lecturer of Orthopaedics, Ain Shams University.	2010
74.	Ashraf El Wakeel	Professor of Orthopaedics, October 6 University.	2011
75.	Hany Hafez Sherif	Professor of Orthopaedics, Military Medical Academy.	2010,2011
76.	Khaled Fawzy Kader	Professor of Radiology, Cairo University.	2011
77.	Maher Halawa	Consultant of Orthopaedics, Cairo University	2011
78.	Mahmoud Samy	Consultant of Orthopaedics, Al-Sahel Teaching Hospital.	2010,2011
79.	Mahmoud Kadry	Professor of Orthopaedics, Military medical academy.	2011
80.	Yasserl El Batrawy	Professor of plastic surgery , Cairo University.	2003,2010,2011
81.	Ayman Soliman Ismail	Assistant. Professor of Orthopaedics, Al-Azhar University.	2011
82.	Bahaa Zakareya	Assistant Professor of Orthopaedics Alexandria University.	2011
83.	Hossam Nagy	Lecturer of Orthopaedics, Menofeya University.	2011
84.	Marie Sameh	Professor. of Orthopaedics, Tanta University	2011
85.	Mohamed Nabil	Lecturer of Orthopaedics, Menofeya University.	2011
86.	Mohamed Abdel Nabi	Lecturer of Orthopaedics, Suez Canal University.	2011
87.	Mohamed El Shaeikh	Professor of Orthopaedics, Alexandria University.	2011,2013
88.	Hesham El Mowafy	Lecturer of Orthopaedics, Alexandria University.	2011
89.	Mohamed Mokhtar	Professor of Orthopaedics, Menofeya University.	2012
90.	Ahmed Abdel Azim	Lecturer of Orthopaedics, Ain Shams University.	2012
91.	Ahmed Wagih	Lecturer of Orthopaedics, Cairo University.	2013
92.	Karim El Soukary	Consultant of Orthopaedics, The Academy of Scientific Research and Technology.	2013
93.	Khaled Abdel Ghany	Consultant of Orthopaedics, El-Helal hospital.	2013
94.	Tarek Al Khadrawy	Professor of Orthopaedics, Alexandria University.	2013

Thank you for visiting O6U

COAS and Arthroplasty Fellowships

This is a sub-specialty developed for a fully trained orthopaedic surgeon or for a trainee towards the end of his/her training. Suitable candidates will be attached to Prof. Hafez for 6 months.

The job is based at 2 hospitals; October 6 university Hospital (teaching hospital, with all medical specialties, the largest hospital in October 6 district) and Al-Helal Orthopedic Hospital (The National Orthopaedic Hospital with 400 beds and more than 60 consultants covering all orthopedic subspecialties).

Duties include both clinical and research work

First CAOS Fellow:

Ashish Jaiman, All India Institute of Medical Sciences, New Delhi, India, 2010.

Previous CAOS Fellow:

Mohamed Mousa, Assistant lecturer, Assiut University, Egypt, 2013.

Current CAOS Fellow:

Dr. Sharafeldin, MD, lecturer, Kordofan University, Sudan 2014.

Waiting CAOS fellow:

Yusuf Ahmad, Jakarta, Indonesia, 2015



Training in CAOS for hip and knee

Teaching and Examination Activities of the head of the department :-

- 1- Examiner for the SICOT diploma
- 2- Examiner for national egyptian training program in orthopaedics
- 3- Ex Head of Year 1 exam panel, medical school, October 6 University
- 4- Undergraduate teacher & examiner in medical, physiotherapy and nursing schools, October 6 University
- 5- Established training program professional diploma in orthopaedics 2008 in association with Arab Medical Union & Egyptian Medical Syndicate
- 6- Ex Teacher in "Basic Surgical Skills Course", Royal College of Surgeons of England, UK
- 7- Attended ATLS instructor & training the trainer (ToT) courses
- 8- Established International Arthroplasty Conference, orthopaedic review, orthopaedic skills and orthopaedic nursing courses since 2009
9. External examiner of viva examinations of MSc, MD & PhD theses
 - I. Faculty of Medicine, Alexandria University: Orthopaedics Dept.
 - II. Faculty of Medicine, suez canal uni: Orthopaedics Dept.
 - III. Faculty of Physiotherapy, Cairo University: Basic Science Dept., Orthopaedics Dept., Biomechanics Dept.
10. Examination of orthopaedic degrees, MSc & MD:
 - I. Faculty of Medicine, Suez Canal University.
 - II. Faculty of Medicine, Tanta University.

9th International Arthroplasty Conference

Sharm El Sheikh, Egypt



Orthopaedic Dept.
October 6 University

4 - 6
February
2016

Chairmen

Arthroplasty Conference

Wael Barsoum

Vice Chairman, Dept of Orthopaedics,
Cleveland Clinic, Ohio, USA

Mahmoud Hafez

Prof & Head of the Orthopedic Dept,
October 6 University, Cairo, Egypt

Pre conference Course

Siegfried Hofmann

Associate professor, LKH-Stolzalpe
Orthopedic Dept, Murau, Austria

12th Middle East Symposium
on CAOS

6th Symposium on Patient
Specific Instruments for TKA



 www.knee-hip.com/arthroplasty2016

Research and Publications

Below is a sample list of research activities and publications of our academic staff and trainees

Karim Hamdi: MSc thesis, Adjuvant therapy in benign bone tumors

Mark Ashraf: MSc thesis, Minimal invasive surgery in lumbar fusion (on going)

Ahmed Tamer: MSc thesis, Congenital anomalies of the scapula

MD thesis, Surgical management of displaced femoral head in cerebral palsy patients

Ahmed El-Morsy:

- 1) Pre-operative team briefing. An audit project. Royal Surrey County Hospital, UK. 2014.
- 2) Proximal Femur Cortical thickness and medullary canal diameter in soft and hard water regions. British Hip Society meeting, 2013, UK.
- 3) Primary bipolar Hemiarthroplasty in management of unstable Intertrochanteric fractures in elderly. MD Thesis, Alazhar University. (Open Journal of Orthopedics, 2012, 2, 13-17)
- 4) accuracy of filling the consent form in orthopaedic trauma and elective. Audit project. Oral presentation, Salisbury district hospital, UK. 2012.
- 5) Basics of trauma for physiotherapists (Book chapter, Lower limb chapter). October 6 University, 2010
- 6) The use of acetabular reamer to harvest bone graft in ankle arthrodesis. Oral presentation. Co/presenting author EOA annual international congress, Cairo , 2009.
- 7) Management of a patient with 10 fractures in one limb: applying the damage control concept. Poster presentation (co-author), second international arthroplasty congress, October 6 university, Egypt. 2008.
- 8) Skeletal response to collarless tapered stem in hip arthroplasty. MSc Thesis, Ain shams University, 2003.

Sample of MSc, MD and PhD Theses That were supervised by the Head of the department or the work was done at O6U:-

Title	University	Faculty	Candidate	Role
Efficacy of laterally wedged insole in treatment of medial compartment knee osteoarthritis-2011	Cairo Uni.	Physical therapy	Amr Mustafa Yehia Mohamed	Supervisor
Effect of core training on body center of gravity displacement during walking	Cairo Uni.	Physical therapy	Reda Sayed Ashour Ali	Supervisor
Computer Assistance for complex Total Hip replacement	Al Azhar Uni.	Faculty of Medicine	Amr Mohsen	Supervisor
Effect of different Frequencies of Continuous Ultrasound on Mechanical Muscle Strain	Cairo Uni.	Physical therapy	Mohamed Mustafa Mohamed Eissa	Supervisor
Efficacy of therapeutic intervention of multifidus muscle dysfunction	Cairo Uni.	Physical therapy	Mohamed Taher Mahmoud	Supervisor
Patient Specific Instrument for knee replacement-MSc 2012	Cairo Uni.	Faculty of Medicine	Haitham Zwaid	
Conventional and Computer assisted TKA-MD 2012	Assiut Uni.	Faculty of Medicine	Mohamed Mousa	
Custom made cutting guides for Total Knee Arthroplasty-2013	Cairo Uni.	Veterinary Medicine	Rania Farouk Kashif	Supervisor

Dr Hesham Farag (Director of Medical Services):

1. **Farag H and Ibrahim AW.** Early Detection of Air Embolism. *Anaesthesia* 1983: 38; 808-809.
2. **Adu-Gyamfi Y, Farag H and Naguib M.** Anaesthesia with Continuous Thiopentone Infusion, Epidural Morphine and Relaxant. *The Journal of International Medical Research* 1983: 11; 222-227
3. **Farag H, Adu-Gyamfi Y, Naguib M.** Early Non-Radiological Recognition of Misplacement of Central Venous Catheter. *British Medical Journal* 1983: 287;761
4. **Naguib M, Farag H and Joshi R.** Bilateral Hydrothorax and Hydromediastinum After A Subclavian Line Insertion. *Canadian Anaesthetists Society Journal*, 1985: 32: 414.
5. **Farag H, Naguib M.** Caudal Morphine for Pain Relief Following Anal Surgery. *Annals of The Royal College of Surgeons of England*, 1985: 67; 257-258.
6. **Naguib M, Farag H, Ibrahim AW.** Anaesthetic Consideration in Klippel-Feil Syndrome. *Canadian Anaesthetics Society Journal*. 1986: 33; 1; 66-70.
7. **Naguib M, Adu-Gyamfi Y, Absood GH, Farag H, Gyasi H,** Epidural Ketamine for Post-Operative Analgesia. *Canadian Anaesthetics Society Journal*. 1986: 33; 1; 16-21.
8. **Farag H, Naguib M, Ibrahim AW.** Anaesthesia for A Patient with Eosinophilic Myositis. *Anaesthesia and Analgesia*. 1986: 65; 903-904.
9. **Ibrahim AW, Farag H, Naguib M, Ibrahim E.** Neuroepithelia (colloid) Cyst of The Third Ventricle Retinal Detachment And Lateral Rectus Palsy in Identical Twins. *J. Neurosurgery* 1986: 401-403.
10. **Naguib M, Hassan M, Farag H, Bodman R, Absood G.** Cannulation of The Radial And Dorsalis Arteries. *British Journal of Anaesthesia*. 1987: 59; 482-488.

Prof. Mahmoud Hafez (Head of the Orthopaedic Dept), only publications under the name of October 6 University

H-index= 10 - i10-index= 11

Total Impact Factor =56.316

Total Citations = 1237

Book Chapters:

1. **Hafez MA,** Correction of severe deformity on Knees with Total Knee Arthroplasty, In James Wadelle, "current progress in orthopaedics" Volume 2. Due 2015
2. **Hafez MA,** Custom made cutting guides for TKA. In *Surgery of the Knee (5th Ed.)*, Install JN, Scott N (Eds). Elsevier, Churchill Livingstone. 2012, 1240-1254.
3. **Hafez MA,** Patient specific instrumentation: The past, the present and the future. In *Improving Accuracy in knee Arthroplasty*. Edited by Thienpont, E., Jaypee Brothers Medical Publishers (P) Ltd., 2012, 149-168.
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7. **Hafez MA,** K Chelule, et al. Computer-Assisted Total Knee Arthroplasty Using Patient-Specific Templates: the Custom-made Cutting Guides. In *Navigation and MIS in orthopaedics*. Springer 2007, Chapter 24, pp 182-188.
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9. **Hafez MA,** DiGioia, et al. Alternatives to navigation. In *Navigation and MIS in orthopaedics*. Springer 2007. pp 580-7

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1. **Hafez MA.** Understanding the science behind writing. *Current Orthopaedic Practice.* 2014. 1:75-79
2. **Hafez MA.** Radwan M. Guteal Compartment Syndrome following vascular and neurological injuries. *Case Rep Med,* 2014. 1-3
3. **Thienpont E, Paternostre F, Pietsch M, Hafez M, Howell S.** Total knee arthroplasty with patient-specific instruments improves function and restores limb alignment in patients with extraarticular deformity. In press. *The Knee* (2013).
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5. **M A Hafez.** A New Classification System for Computer Assisted Orthopaedic Surgical Techniques. *Bone Joint J* 2013 vol. 95-B no. SUPP 15 187.
6. **M A Hafez, I Rashad.** Custom Made Cutting Guides, Navigation and Conventional TKA: A Comparative Study. *Bone Joint J* 2013 vol. 95-B no. SUPP 15 69.
7. **M A Hafez., A Mounir.** A Community Arthroplasty Register. *Bone Joint J* 2013 vol. 95-B no. SUPP 15 188.
8. **Ashish Jaiman, Dhananjaya Sabat, Sumit Arora, Mahmoud A. Hafez,** We need a break: Bisphosphonates. *Journal of Clinical Orthopaedics and Trauma.* 4:1 pp. 11-14, 2013.
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10. **M A Hafez, A M Al-Dars.** Glass foreign bodies inside the knee joint following intra- articular injection: A case report. *American Journal of Case Reports* 2012, 13 CR238-240.
11. **Hafez MA.** The use of Computer-Assisted orthopaedic surgery in complex cases of hip and knee arthroplasty: experience from a developing country.. Special issue on "Smart Orthopaedic Surgery". *The Journal of Biomedical Engineering.* 2012. Vol 57, Issue 4, pages 301-306.
12. **Ahmed Elmorsy1, Mahmoud Saied2, Adel Awad Allah2, Mahmoud Zaid2, Mahmoud Hafez.** Primary Bipolar Arthroplasty in Unstable Intertrochanteric Fractures in Elderly. *Open Journal of Orthopedics,* 2012, 2, 13-17.
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14. **M A Hafez, A M Al-Dars.** Surgical removal of numerous foreign bodies from the foot caused by sea urchin spines. *Modern plastic surgery.* Vol.2 No.4, PP. 97-98, 2012.
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18. **Murtha PE, Hafez MA** et al. Variations in acetabular anatomy. *Journal of Bone & Joint Surgery Br* 2008;90:308-313 (cited by : 112).
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20. **Hafez MA, Chelule K, Seedhom BB, Sherman KP.** Computer-assisted total knee arthroplasty using patient-specific templating. *Clinical Orthopaedic and Related Research.* 2006;444:184-192 (cited by : 147).
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Citations: 129

Ongoing research:

- Custom made guides, navigation and conventional techniques for TKR: A comparative study
- Community Arthroplasty Register
- THR for bilateral fused hips
- Comparative study of CR and PS in TKA
- Spine Hip Syndrome
- PSI for TKA as an open platform
- Bilateral simultaneous TKA in patients with severe varus
- Bilateral simultaneous TKA in patients with severe articular deformities
- Comparison between two types of single dose Hyaluronic Acid injection in patients with knee Osteoarthritis: Randomized control trial
- Assessment of Topical r-Hirudin efficacy in treatment of Haematomas



Visit of MeduProf William Van Prooijen, Holland to our research lab to see rapid prototyping machine

Combined MSc, MD and PhD with other universities on the subject of arthroplasty and computer assisted surgery supervised by Prof. Hafez

Ain Shams (MD), Cairo (MSc and PhD), Al Azhar (MD), Assiut (MD), Suez Canal (MSc)



Photo at the end of a successful viva examination of MSc thesis at Suez Canal University by Dr Mostafa El Nemr, Visiting resident in our orthopaedic Dept.



Photo at the end of a successful viva examination of MSc thesis at Cairo University by Dr Haitham Zawaid, orthopaedic specialist in our orthopaedic Dept.

Theses (MSc,MD and PhD) from different Egyptian Universities that have been externally supervised by Prof. Hafez :

I. Cairo University: 9 Theses

Faculty of Medicine, Faculty of Physiotherapy and Faculty of Veterinary

II. Al Azhar University: Faculty of Medicine

III. Ain Shams University: Faculty of Medicine

IV. Assiut University: Faculty of Medicine

V. Menofeya University: Faculty of Medicine

VI. Suez Canal University: Faculty of Medicine

قسم العظام جامعة 6 اكتوبر ينشئ سجل للمفاصل الصناعية
وينضم إلى الجمعية الدولية لسجلات المفاصل الصناعية لتصبح مصر الدولة الوحيدة فى الشرق الأوسط



ISAR

International Society of Arthroplasty Registers

Search this site

Danish Knee Arthroplasty Registry

Type: **Knee** -- Status: **Full**

Danish Knee Arthroplasty Registry
Department of Clinical Epidemiology
Aarhus University Hospital
Olof Palmes Allé 43-45
DK-8200 Aarhus N, Denmark
www.knee.dk

Chairman of the steering committee (knee): Anders Odgaard
Secretary: Anne Hjelm

Dutch Arthroplasty Register (LROI)

Type: **Hip and Knee** -- Status: **Full**

LROI
Bruistensingel 128
NL-5232 AC's Hertogenbosch
The Netherlands
www.lroi.nl
lroi@orthopeden.org

Chairman LROI Board: Jan Verhaar
Chairman Scientific Advisory Board: Rob Nelissen
Project Coordinator LROI (contact person: Geke Denissen)

Egyptian Community Arthroplasty Register

Type: **Hip, Knee and other** Status: **Associate**

The Orthopaedic Dept, Third floor
October 6 University Hospital
Central axis
Cairo
Egypt
www.egyorth.org
info@egyorth.org

Principal investigator & arthroplasty surgeon: Mahmoud Hafez
Secretary: Nada Ibrahim
Research Fellow: Ismail Rashad

Voluntary work

Egyptian Musculoskeletal Research Association (EMRA)

- Established on 14/02/2010 by Prof. Mahmoud Hafez
- Formely registered in The Egyptian Medical Syndicate on 22/11/2012

Mission:

Facilitate academic activities and high quality research leading to innovations and international publications

Activities:

- Initiate new research ideas
- Encourage new innovative techniques
- Raise funding for research
- Help researchers to publish their work internationally

Members:

Trainees, qualified specialist and academics working in the field of musculoskeletal system such as Orthopedics, Rheumatology and rehabilitation, Neurology, Neurosurgery, Physical therapy, Dentistry and Veterinary

Current Board of Directors:

Mahmoud Hafez - **Ahmed Kholeaf**
Emad saweres - **Ahmed Basyouni**
Khaled Emara

Ethical committee

Ethical Committee members:

Prof. Dr. Mohamed Eid Fawzy, Prof. of cardiology, October 6 University.
Prof. Dr. Mahmoud A Hafez, Prof. & Head of Orthopaedic Dept., October 6 University Hospital
Prof. Dr. Dawlat El-Meleigy, Prof. of biochemistry, October 6 University
Dr. Hesham Farag, Consultant anaesthetist, October 6 University Hospital

Ethical Committee tasks:

- 1- Review and evaluation of clinical research projects planned.
- 2- Protect the patients' rights
- 3- Awareness of the doctors and nurses to explain the experiemnt to the patient and make patient sign an agreement document before doing the experiemnt



Reseach team for prof.Hafez gathered in the training room

Al Mohsen Medical Charity

Al Mohsen Medical Charity organization was initiated after the death of two young surgeons, **Dr Mohsen Abu Zeid** (Consultant Plastic Surgeon, UK) and **Dr Mustafa Tawfiq** (Consultant Orthopedic Surgeon). It was established in December 2009, with the help and cooperation of their colleagues **Dr Mahmoud Hafez, Dr Sameh Ansara, Dr Essam Hassan** and **Dr Hussein Mousa Gomaa**.

It took about a year to establish the organization.

Finally, establishment procedures, headquarters and members are approved by the Ministry of Social Solidarity. The capital of Al Mohsen comes from voluntary contributions of the founders and members of board of directors.

Al Mohsen Medical Charity has a registration number 4325, Directorate of Social Affairs and Insurance, Giza.

Focus on the following areas

- Medical services for the poor and needy, especially in the field of orthopedic surgery and trauma.
- Free training courses for doctors and nurses.
- Al Mohsen Medical Prize: an annual prize given to outstanding doctors.
- Medical convoys.
- Holding medical, educational and cultural seminars

Most of the activities are run in October 6 city, particularly O6U

Dr Mohsen Abu Zeid Medical Prize 2011 to distinguished Resident, O6U Hospital

- Dr. Mohamed Azzam (Junior Gynecologist, October 6 University Hospital)
- Dr. Emad Ahmed Mustafa (Junior General Surgery, October 6 University Hospital)

Dr Mohsen Abu Zeid Medical Prize 2012 for distinguished undergraduate nurses, O6U Hospital

- Mrs. Mai Saad
- Mr. Ahmed Ali
- Mr. Ali Hassan
- Mr. Ahmed Ibrahim

Dr Mohsen Abu Zeid Medical Prize 2013 for nursing staff, O6U Hospital

- | | | |
|-------------------------|---|-----------------------|
| • Mr. Ismail saad | - | Mr. Mohamed Ghareb. |
| • Mrs. Zainab Nabil | - | Mrs. Nermin Nabil. |
| • Mrs. Azza Abdullah | - | Mrs. Fatma Hassan. |
| • Mrs. Sherefa Al-Sayed | - | Mrs. Asmat Abdelaziz. |
| • Mrs. Eman Ezz El-Din | - | Mr. Ehab Sabry. |



A Fund from Misr El-Kheir (MEK) Foundation to Perform Knee replacement operations for needy patients from deprived and poor areas in egypt.

We successfully managed to deliver our promise and to achieve our targets as follows:

- 1) We managed to perform 22 cases of knee replacement using a very limited funding (almost 1/3 of the usual cost)
- 2) We used NexGen (Zimmer, USA), one of the best knee implants (prosthesis) worldwide
- 3) We have 3 to 12 months follow up with good results (technical and functional) and no complications
- 4) We performed clinically indicated bilateral knee replacement, which is not usually used in Egypt
- 5) We used the top technology of computer assisted surgery; patient specific instruments (PSI), which is not available in any center in Egypt or the whole Arab countries.
- 6) We managed to reduce the need for blood transfusion down to 5 % for single knee replacement and to 16 % for bilateral cases. This is important in Egypt as it reduces the risk of hepatitis B and C
- 7) We trained more than 10 young surgeons (trainees). Some of these cases were used for 2 MSc theses and one MD thesis
- 8) We invited 13 experienced surgeons to perform knee replacement using PSI technique from Cairo university, Suez Canal University, Assiut University, El Sahel Teaching Hopsital, El Helal Orthopaedic hospital, October 6 University and others). Some of the surgeons are heads of the orthopaedic departments
- 9) We presented and published our results in international conferences
- 10) These case are included in the Egyptian arthroplasty register, which is listed in the International Society of Arthroplasty Registers (ISAR).



Dr Mohsen Abu Zeid Medical Prize 2013 for O6U Hospital nurses

October Medical Magazine

October 6th City is a fast growing new city on both industrial and residential levels. It has some universities, two medical schools and more than 10 general hospitals. Yet, there is no regular journal, magazine or newspaper to connect the medical community of doctors, nurses, paramedics and employees with the local population.

“October Medical Magazine” has been launched to fill this gap. Moreover, there is no medical publication that connects the medical community in Cairo and the whole of Egypt. It is a challenge to establish and maintain a new medical publication that caters for both medical stuff and the public. In our first issue, we decided to combine a medical magazine in Arabic with a medical journal in English. Each has its own style and language, but they share the same readers, mainly doctors who study and write medicine in English and practice it in Arabic.



Activities and Achievements of the Head of the Department

National Awards:

1. Innovation grant (250,000LE), Academy of Scientific Research & Tech/ MEK, Egypt 2012
2. Certificate of Recognition in Teaching, Arab Medical Union, Egypt, 2010
3. Exemplary Surgeon Award by the Ministry of Health, Egypt, 2009
4. Certificate of Recognition, The Medical School, October 6 University, Egypt, 2008

International Awards:

1. Gold Medal with Distinction for my patent on PSI, Geneva inventions, Switzerland 2014
2. IFIA Laurel of 4th World Cup of Computer Implemented inventions from International Federation of Inventors Association (IFIA), Hungary 2014.
3. Life-time membership, International Society for Technology in Arthroplasty, USA 2013
4. Hap Paul award, International Society for Technology in Arthroplasty, USA 2010
5. Listed in "Who is Who in Medicine" 2006 and "Who is Who in Engineering" USA, 2007
6. Japanese SICOT Award, Japan, 2005
7. British Orthopaedic Association Travelling Fellowship Award, UK, 2004
8. Pfizer Academic Award, UK 2004
9. Meyerding Essay Award, American Fracture Association, USA, 1999
10. Research Grant (£ 62,000), EPSRC, UK, 2001



الدكتوراه الفخرية

International Invitations

Prof. Hafez was invited by different international organizations for the following educational events

Conference	Role	Country	Date
34th SICOT Orthopaedic World Conference	Speaker in a symposium on Computers and Enabling Technologies & diploma Examiner	Rio, Brazil	20 - 22 November 2014
Annual Congress of Computer Assisted Orthopaedic Surgery	Session Chairman and Speaker	Milan, Italy	18-21 June 2014
International Congress for Joint Reconstruction (ICJR) - Middle East	Session Chairman and Speaker	Dubai, UAE	30 April - 2nd May 2014
34th SICOT Orthopaedic World Conference	Examiner for SICOT diploma Chairman of a Symposium on PSI for TKR	Hyderabad, India	17-19 October 2013
Recent Advances in Orthopaedics, ICP	Conference co-chairman	Rome, Italy,	19-20 April 2013
International Orthopaedic Surgery Invitational Symposium, Cleveland Clinic, Ohio	Egypt delegate	Cleveland, USA	18-19 March 2013
Recent Advances in Arthroplasty. Spanish Society for Shoulder and Elbow Surgery	Conference co-chairman Egypt delegate	Barcelona, Spain	1-4 March 2013
33rd SICOT Orthopaedic World Conference	Examiner for SICOT diploma	Dubai, UAE	28-30 November 2012
12th annual meeting of CAOS-International	Chairman on workshop on Custom guides for TKA	Seoul, Korea	13-16 June 2012
B. Braun Orthopaedic Days (knee)	Invited speaker given 2 lectures on PSI for TKA	Saint Jean Cap Ferrat, Nice, France	4-5 May 2012
SICOT. XXV Triennial World Congress	Session Chairman	Prague, Czech Republic	6-9 September 2011
The 11th Annual Meeting of CAOS-International	Chairman of advanced CAOS workshop on PSI- member of panel on round table discussion	London, UK	June 15-18, 2011
11th annual meeting of CAOS-International	Chairman on workshop on TKR cutting guides	London, UK	June 15-18, 2011
Advances in Orthopaedics	Co-chairman of a conference	Istanbul, Turkey	2011
SICOT. 7th SICOT/SIROT Annual International conference	Examiner	Gothenburg, Sweden	31 Aug-3 Sep 2010
10th Annual Meeting of CAOS-International	Instructor in a workshop on Patient specific surgical guides	Paris, France	June 16-19, 2010
Orthopaedic Invitational Symposium	Egypt delegate	Cleveland Clinic, Ohio, USA	22-24 September, 2009
5th SICOT annual meeting	Chairman of The 3rd Middle	Marrakech,	29 Aug- 1st

	East Symposium on CAOS	Morocco	Sept 2007
The 7th Annual Meeting of CAOS-International	Chairman of a session on navigated hip resurfacing	Heidelberg, Germany	June 20-23, 2007
Cleveland Clinic Foundation. A knee innovation summit: from birth to death	Faculty member	Cleveland Clinic, Ohio, USA	11-14 April 2007
2nd Middle East Symposium on CAOS	Co-Chairman	Dammam, Saudi Arabia	30 Nov to 1st Dec 2006
Cadaveric Knee Course	Instructor	Amman, Jordan	29-31 May to 2014
Sudanese Orthopaedic Surgeons Association	Speaker	Khartoum, Sudan	15 Sep. 2014

Presentations

• More than 100 presentations in international conferences:

AAOS; American Academy of Orthopaedic surgeon

EFORT; Erupean Fedration of national associations of Orthopaedics and tramuatology

ORS; Orthopaedic Research Society

SICOT; International Society of Orthopaedic surgery and Traumatology

ICS; International College of surgery

BORS; British Othopaedic Research Society

BTS; British Trauma Society

ISTA; International Society for Technology in Arthroplasty

CAOS; International Society for Computer assisted Orthopaedic Surgery

AFA; American Fracture Association

EKA; European Knee Association

ESSKA; European Society of Knee Surgery and arthroscopy

CARS; Computer Assisted Radiology and Surgery

Dr Mahmoud A. Hafez (Head of the Orthopaedic Department, October 6 University) **Editorial and Review Activities:**

1- Editorial board member, The Journal of Bone and Joint Surgery (JBJS-British) for the Middle East Edition

2- Editorial board member, Open Journal of Orthopaedics (OJO), USA

3- Editor of "October Medical", a new local journal & newsletter

4- Reviewer to few scientific journals:

- The Journal of Clinical Orthopaedics and Related Research (CORR), USA
- The Journal of Bone and Joint Surgery (JBJS-American)
- The Journal of Computer Aided Surgery (CAS), USA & IJMR CAS
- British Medical Journal (BMJ), UK
- Rapid Prototyping Journall

5- Panel peer reviewer, AO foundation, Switzerland

6- Reviewer of PSI technology by ECRI, USA & a consultant to ConforMIS, USA

براءة الإختراع - تم إستخدامها فى الولايات المتحدة

www.conformis.com



US 20130297031A1

(19) **United States**

(12) **Patent Application Publication**
Hafez

(10) **Pub. No.: US 2013/0297031 A1**
(43) **Pub. Date: Nov. 7, 2013**

(54) **PATIENT SPECIFIC INSTRUMENTS AND RELATED METHODS FOR JOINT REPLACEMENT**

Publication Classification

(71) Applicant: **CONFORMIS, INC.**, Bedford, MA (US)

(51) **Int. Cl.**
A61F 2/30 (2006.01)

(72) Inventor: **Mahmoud A. Hafez, Cairo (EG)**

(52) **U.S. Cl.**
CPC **A61F 2/30942** (2013.01)
USPC **623/20.14**

(73) Assignee: **CONFORMIS, INC.**, Bedford, MA (US)

(57) **ABSTRACT**

(21) Appl. No.: **13/886,040**

(22) Filed: **May 2, 2013**

Related U.S. Application Data

(60) Provisional application No. 61/641,851, filed on May 2, 2012.

Devices, tools and techniques for the design, selection and/or modification of patient-specific implants, instruments and related methods are disclosed. Various embodiments include the use of double joint lines, particularly for treating severe deformities during joint repair and/or replacement surgeries.

براءة الإختراع - تم إستغلالها بواسطة شركة إنجليزية

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1. (WO2014198279) DEVICE AND METHOD FOR FITTING AN ARTIFICIAL KNEE JOINT USING UNIVERSAL ELECTRONIC TEMPLATES WHICH CAN BE ADAPTED TO ALL ARTIFICIAL JOINTS

PCT Biblio. Data | International Process | Notices | Drawings | Documents

Latest bibliographic data on file with the International Bureau [Submit observation](#) [PermaLink](#)

Pub. No.: WO/2014/198279 International Application No.: PCT/EG2013/000014
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IPC: A61F 5/00 (2006.01), A61B 17/58 (2006.01)

Applicants: HAFEZ, Mahmoud Alm EL Din [EG/EG]; (EG)
Inventors: HAFEZ, Mahmoud Alm EL Din; (EG)
Priority Data:

Title: (AR) وطريقة تركيب المفصل الصناعي للركبة بواسطة القوالب الالكترونية كصيغار مفتوح لجميع المفاصل الصناعية (EN) DEVICE AND METHOD FOR FITTING AN ARTIFICIAL KNEE JOINT USING UNIVERSAL ELECTRONIC TEMPLATES WHICH CAN BE ADAPTED TO ALL ARTIFICIAL JOINTS (FR) DISPOSITIF ET PROCÉDÉ DE POSE D'UNE ARTICULATION ARTIFICIELLE DU GENOU FAISANT INTERVENIR DES GABARITS ÉLECTRONIQUES UNIVERSELS ADAPTABLES À TOUTES LES ARTICULATIONS ARTIFICIELLES

Abstract: (AR) يتعلق هذا الإختراع بجهاز وطريقة لازمة لتصنيعه يتيح بناء منتج الأدوات (AR) Patient Specific Instrument وذلك كتجهيز لزرع مفصل الركبة الصناعية لمريض بحاجة الى جراحة تغيير (PSI) في صيغار عام (عالمي بالنسبة (TKA Total Knee Arthroplasty) مفصل الركبة لمفايس وأبعاد المفاصل المستخدمة من أكثر من شركة مصنعة لتلك المفاصل وذلك في ضوء أن إنتاج الأدوات الجراحية المزروعة في مريض على الخصوص للمرضى تخصص أنواع المفاصل التي تنتجها تلك الشركات مما يجعلها باهظة الثمن ولا يمكن تعميمها على بقية المفاصل المنتجة من قبل الشركات الأخرى. ويعتبر الجهاز المقدم بالطلب الحالي مناسب الموائمة مع أي نوع من أنواع المفاصل التجارية المتاحة حالياً أو أي نوع من المفاصل المخصصة مسبقاً للمريض قد يتم إنتاجها مستقبلياً. هذا ويعتبر الجهاز المقدم أداة مزروعة ومخصصة لكل مريض اعتماداً على التخطيط ثلاثي الأبعاد المستخلص من وسيلة تصوير طبي (إعادة بناء وتقسيم الأشعة المقطعية (أو الرنين المغناطيسي) وذلك كي يتم تصنيعه

براءة الإختراع - تم إستخدامها فى مصر

PATENT COOPERATION TREATY

From the RECEIVING OFFICE

To: HAFEZ, Mahmoud Alm El Din Giza Egypt

PCT

NOTIFICATION OF THE INTERNATIONAL
APPLICATION NUMBER AND OF THE
INTERNATIONAL FILING DATE

(PCT Rule 20.2(c))

Date of mailing (day/month/year)	15/02/2015
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Applicant's or agent's file reference

IMPORTANT NOTIFICATION

International application No. PCT/EG2015/000004	International filing date (day/month/year) 08/02/2015	Priority date (day/month/year) -----
--	--	---

Applicant HAFEZ, Mahmoud Alm El Din

Title of the invention A Tool For Custom-Made Instruments And Implant For Artificial Knee Joint Of Dogs
--

براءة الإختراع - تم إستخدامها فى مصر

PATENT COOPERATION TREATY

From the RECEIVING OFFICE

To: HAFEZ, Mahmoud Alm El Din Giza EGYPT

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Applicant's or agent's file reference

IMPORTANT NOTIFICATION

International application No. PCT/EG2015/000013	International filing date (day/month/year) 05/03/2015	Priority date (day/month/year) -----
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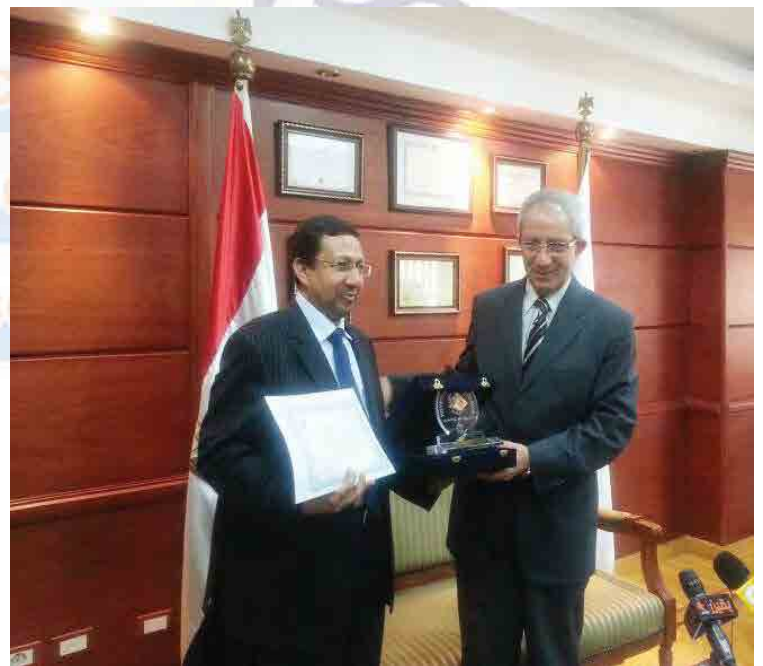
Applicant HAFEZ, Mahmoud Alm El Din

Title of the invention A Method for Connecting Custom Made Guides to Conventional Instruments for Joint Replacement
--

حصل الدكتور محمود حافظ على الميدالية الذهبية في المعرض الدولي للإختراعات في جنيف لبراءة الإختراع عن القوالب الالكترونية للركبة



Dr M Hafez attended by the Egyptian consul in Geneva after winning a gold medal for his invention on knee replacement



Award & certificate given to Dr M Hafez by the Minister of Higher Education and Scientific Research, Egypt for his award winning patents

Dr M Hafez represented Egypt in the 4th World Cup for Computer Implemented Inventions and he won the highest prize (IFIA Laurel)



THE JOURNAL OF BONE AND JOINT SURGERY

Volume 2: Number two, April 2011

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Anthony J. Hall
Chief Examiner

SICOT Diploma Examination 2010

At the memorable Seventh SICOT/SIROT Annual Conference in Gothenburg, Sweden, the 8th SICOT Diploma Examination took place. For the first time there was an examiners meeting beforehand. This was well attended and served to highlight some of the challenges faced by those of us responsible for the organisation of the examination. The first issue is the need to hold the examination during our annual or triennial meeting in order to ensure that sufficient examiners (we need 24 for the oral section of the exam) are able to attend. This, in turn, limits the number of candidates we can examine at any one sitting. It takes 5 hours to complete the vivas which represent a large slice of a four-day conference. Following the tragic death of Charlie Sorbie it was necessary to quickly find someone to set a new written paper for 2010. Fortunately, I was able to call upon Marc Patterson who has much experience of examining, having been Chairman of the Court of Examiners of the Royal College of Surgeons of England. He and I, ably assisted by Vikas Khanduja (who knew most of the answers!), spent a morning together assembling a testing multiple choice paper. In this we were able to incorporate some questions kindly submitted by Prof Thamer Hamdan from Iraq. We took the view that our examination should reflect the international nature of our candidates. There were 50 orthopaedic, 30 trauma, ten children and hands and ten basic science questions in our paper which 4 candidates failed. Either they were well prepared or the paper was too easy!

SICOT would especially like to thank the international team of examiners who kindly gave their time and expertise to ensure the success of the Diploma Examination:

Vane Antolic (Slovenia)
Andrzej Bohatyrewicz (Poland)
Erdal Cila (Turkey)
Patricia Fucs (Brazil)
Mahmoud Abdel Hafez (Egypt)
Maher Halawa (United Kingdom)
Anthony J. Hall (United Kingdom)
Thamer Hamdan (Iraq)
Frank Horan (United Kingdom)
Vikas Khanduja (United Kingdom)
Michael Laurence (United Kingdom)
Luis Lopez-Duran Stern (Spain)
Keith D-K Luk (Hong Kong)
Marc Patterson (United Kingdom)
Marko Pecina (Croatia)
Kandiah Raveendran (Malaysia)
Alastair Ross (United Kingdom)
Maximilian Rudert (Germany)
Galal Zaki Said (Egypt)
Vijay Shetty (India)
Tomas Trc (Czech Republic)
Garnet Tregonning (New Zealand)
Gershon Volpin (Israel)
James Waddell (Canada)
Geoffrey Walker (United Kingdom)



اللجان العلمية لفحص الإنتاج العلمي لشغل وظائف الأساتذة والأساتذة المساعدين

الدورة العادية عشر (يناير 2013 - ديسمبر 2015)

جراحة العظام 78

9 الدراسات الطبية



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كشوف بالسادة المحكمين

الكود	الاسم	الأستاذية	الجامعة - الكلية	التخصص العام والدقيق
10151	أ.د. محمد احمد محمود عبدالله علم الدين	09/07/26	الطب - جامعة سوهاج	جراحة العظام (جراحة العمود الفقري)
5007	أ.د. محمد احمد محمود مزيد	89/08/28	الطب - جامعة عين شمس	جراحة عظام (جراحة عظام)
1109	أ.د. محمد جمال حسن محمد	03/05/25	الطب - جامعة أسيوط	جراحة عظام (جراحة عظام)
3711	أ.د. محمد حسن عبد المنعم السبكي	98/09/30	الطب - جامعة القاهرة	جراحة عظام ()
1677	أ.د. محمد رضا سامح اللقاني	94/02/28	الطب - جامعة المنصورة	جراحة العظام (جراحة عظام الأطفال)
1181	أ.د. محمد مجدى عبد العظيم البيوطى	88/12/26	الطب - جامعة المنصورة	جراحة عظام (جراحة عظام)
9754	أ.د. محمد محمد بهي الدين الشافعي	08/10/28	الطب - جامعة المنيا	جراحة العظام والأصابات (مناظير واصابات رياضية ومفاصل)
2355	أ.د. محمد مرسى ابراهيم وهبه	89/01/30	الطب - جامعة المنصورة	جراحة العظام (جراحة العظام)
9322	أ.د. محمد مصطفى محمد الشرفاوى	11/03/28	الطب - جامعة أسيوط	جراحة عظام ()
5082	أ.د. محمد نبيل محمد محمد خليفة	85/01/29	الطب - جامعة عين شمس	()
7819	أ.د. محمود علم الدين عبد الحافظ	08/09/01	الطب - جامعة 6 أكتوبر	()
9883	أ.د. مصطفى حسين محمود حجازي	03/05/28	الطب - جامعة طنطا	جراحة العظام (جراحة اليد)
3097	أ.د. هانى صالحي السيد محمد	99/02/28	الطب - جامعة المنيا	جراحة عظام (جراحة عظام أطفال)
10867	أ.د. هانى محمد زكى الموائى	06/02/01	الطب - جامعة المنصورة	جراحة عظام (تشوهات وجراحة القدم والكاحل)
6457	أ.د. هانى ممدوح حفىنى	00/11/28	الطب - جامعة عين شمس	()
6513	أ.د. هشام عبد الرحيم حسين عبد الرحمن القاضي	07/01/20	الطب - جامعة أسيوط	جراحة عظام (جراحة مناظير المفاصل)
9463	أ.د. وائل محمد توفيق قبطان	10/10/27	الطب - جامعة القاهرة	جراحة العظام (جراحة العمود الفقري)

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أمين المجلس الأعلى للجامعات

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الترتيب أبجدي



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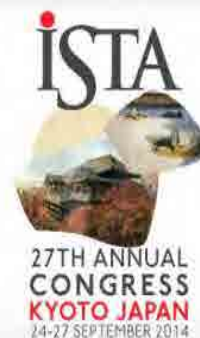
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AWARD RECIPIENTS

YEAR	LIFETIME ACHIEVEMENT AWARD RECIPIENT	HAP PAUL AWARD RECIPIENT
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2013	Thomas P Andriacchi, PhD - USA	Denis Nam, MD - USA
2012	Georg Bergmann, PhD - Germany	Thomas P Gross, MD - USA
2011	Anthony Unsworth, PhD - UK	Ebru Oral, PhD - USA
2010	Robin Ling, MD - UK	Mahmoud Hafez, MD - Egypt
2009	Clifford Colwell Jr, MD - USA	Constantinos Ketonis, PhD - USA
2008	John Paul, PhD - UK	H John Cooper, MD - USA
2007	Laurent Sedel, MD - France	B Sonny Bai, MD - USA
2006	Albert Burstein, PhD - USA	Orhun K Muratoglu, PhD - USA
2005	Hironobu Oonishi, MD - Japan	Hani Haider, PhD - USA
2004	Peter Walker, PhD - USA	Darryl D'Lima, MD - USA
2003	Takao Yamamuro, MD - Japan	Scott A Banks, PhD - USA
2002	Michael Freeman, MD - UK	Lutz-P Nolte, PhD - Switzerland
2001	Chitranjan Ranawat, MD - USA	Lalit Puri, MD - USA
2000	John Goodfellow, MD - UK	Charles Bragdon, PhD - USA

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Mahmoud Hafez Joins ConforMIS Scientific Advisory Board to Advance Image to Implant Technology

Thu Sep 15, 2011 12:30pm EDT

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0 COMMENTS |

Mahmoud Hafez Joins ConforMIS Scientific Advisory Board to Advance Image to Implant Technology

Prof. Hafez brings rich history of development in patient-specific orthopaedics to ConforMIS team

Today, ConforMIS announced that Prof. Mahmoud Hafez, PhD has joined the ConforMIS Scientific Advisory Board. Dr. Hafez is a professor of orthopaedics and the head of the Orthopaedic Department at October 6 University in Cairo, Egypt. He received his training in hip and knee arthroplasty via centers in the U.S., U.K., Egypt and Canada and was an early pioneer in patient-specific surgical instruments.

"It is exciting to see patient-specific orthopaedics gaining increased acceptance in the field," said Prof. Hafez. "ConforMIS is the leader in patient-specific approaches to orthopaedics, not just in instruments but in the actual implant design. I am excited by the opportunity to work on new enhancements to their image-to-implant technology."

Prof. Hafez is an internationally recognized expert in the design and application of individual templates for orthopaedics and in computer assisted orthopaedic surgery. He has served as faculty at international orthopaedic conferences including SICOT, ISTA, AAOS, and CAOS International. He is also the author of numerous articles and book chapters on computer-assisted surgery and patient-specific cutting guides for use in knee arthroplasty. In 2010, Prof. Hafez won the HAP Paul Award from ISTA for his work on the laboratory validation and clinical application of patient specific instruments for total knee replacement.

"I am extremely pleased that Professor Hafez has joined our Scientific Advisory Board," said Philipp Lang, CEO of ConforMIS. "Professor Hafez has a rich base of knowledge and historical expertise in patient-specific systems and we are thrilled that he will be working with us on future applications for our patient-specific implant and instrument technology as well as clinical and scientific studies."

About ConforMIS, Inc.

ConforMIS, Inc. is a privately held company that develops and commercializes orthopedic devices for the treatment of musculoskeletal disorders. Its intellectual property includes more than 300 patents and patent applications in the areas of imaging software, image processing, implant design, surgical techniques, instrumentation, and manufacturing, spanning multiple joints. To date, ConforMIS has commercialized a line of U.S. FDA-cleared and CE Marked knee implant systems designed to address all stages of osteoarthritis, the most common reason for knee replacement surgery. Follow ConforMIS on Twitter at @ConforMIS and become a fan on Facebook at www.facebook.com/ConforMIS.



Activities of the Orthopaedic Department, Faculty of Medicine, October 6 University



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We Provide

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- Data-base and follow up for major operations
- Telemedicine consultation with colleagues in-
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 - St Michaels Hospital, Toronto, Canada
 - Hospitals of the University of Leeds, UK



Arthroplasty Unit

Pioneers in

- Patient specific cutting guides for total knee replacement (TKR) in the world
- Navigation for TKR in the Middle East
- Total hip arthroplasty by computer assisted surgery in the Arab World
- Community Arthroplasty Register in the Arab World



Services:

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Orthopaedic Nursing Course (2011)

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Int Arthroplasty Conference (2008, 09, 10, 11)
Symposium on patient specific cutting guide (2011)
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October Medical

A Medical Journal In English and
a Medical Magazine in Arabic, Issued by
Bone & Joint Center, October 6 University Hospital
Editor in Chief Prof. Mahmoud Hafez mhafez@msn.com

International contributions

by Prof Mahmoud Hafez, head of the orthopaedic department

Innovations: Patient specific cutting guides for knee replacement. Clinically used by 9 implant companies worldwide

International Societies:

SICOT: Diploma examiner, instructional course lecture (ICL) & session chairman
American Fracture Association, IL, USA
Member of Board of Governors and Ex Vice President
CAOS-International Society, Switzerland
Egyptian Delegate, (ICL) & session chairman

International Prizes & Awards:

ISTA International Society for Technology in Arthroplasty, USA: Hap Paul award, 2010
Japanese SICOT Award, Japan, 2005
British Orthopaedic Association Travelling Fellowship Award, UK, 2004
Pfizer Academic Award, UK 2004
Meyerding Essay Award, American Fracture Association, USA, 1999
-Who is Who- Listed In Medicine, in Engineering, USA, World since 2006

Editor: OJO, JBJS-Middle East

Reviewer (JBJS, CORR, BMJ, CAS, AO)

Consultant: to ECRI institute "health Technology Assessment", USA (linked to FDA)

Publications & research: 16 Book Chapters & Editorials. Most popular in "Surgery of the Knee" textbook, Insall-Scott. Elsevier, 2006 & 2011
50 originals in international journals and proceedings

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Designed by
Hazem Hassan



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