

CURRICULUM VITAE

Mohamed Samir KASSEM

MBChB., MCh Orth, AFSA Orthopedie, MD Orth

**Professor of Orthopaedic surgery
Faculty of medicine, Alexandria University
Egypt
Consultant orthopaedic surgeon
Alexandria University Hospitals
Elite Hospital**

Dear Sir / Madam,

I am currently working as **Professor of Orthopaedic surgery**, Faculty of medicine, Alexandria University, Egypt, as well as **Consultant Orthopaedic Surgeon** in El Hadara University Hospital, Alexandria, Egypt. My private practice includes being a Consultant orthopaedic surgeon in **Elite hospital** as well as running my private clinic. I worked as **Consultant Orthopaedic Surgeon** in Saudi German Hospital, Sharjah, UAE from August 2019 till February 2020, and in AlQassimi Hospital, Sharjah, UAE for a year from August 2018 to August 2019.

My surgical speciality includes lower limb primary and revision arthroplasty, knee arthroscopy (meniscus, ACL,..), trauma surgery, as well as teaching duties in faculty of medicine.

I worked as a **locum consultant in Orthopaedics** in Derriford hospital, Plymouth, UK from December 2010 till March 2011.

I worked as a senior **Arthroplasty fellow** in Derriford Hospital, Plymouth since 30th of November 2009 for one year. This is a senior fellowship in primary and revision lower limb Arthroplasty which includes running my own clinics as well as my own weekly unsupervised lists besides operating supervised in my consultant lists.

I worked as a **Specialist Registrar in Orthopaedic surgery** at Derriford Hospital, Plymouth from March 2008 till November 2009. This included running outpatient as well as fracture clinics under consultant supervision, operating and assisting in many trauma and elective operations under consultant supervision, and sometimes running clinics and operating unsupervised due to my previous experience.

I got my **MD degree** in Orthopaedics from Alexandria University in November 2008 and I was promoted to professor in Orthopaedic surgery at Alexandria University, Egypt from 2021.

From February 2003 till February 2009, I worked as an **assistant lecturer (registrar equivalent)** in El Hadara University Hospital in Alexandria, Egypt. This hospital has 400 elective and trauma beds as well as eight orthopaedic theatres. My duties included ward rounds, teaching to medical students, second-on-call shifts once weekly, and the operating surgeon in many trauma and elective cases and first assistant in advanced orthopaedic operations. At the same time I was studying for my MD degree in Orthopaedic surgery. I went on leave several times during my work in UK and my fellowship in France.

Between November 2007 and February 2008, I was on a **fellowship in Hospital Rangueil in Toulouse, France**, which is a well-known European centre in Orthopaedic surgery. I was attached to Paul Sabatier University at the same time from which I got my Attestation de formation specialisee approfondie (AFSA) degree in Orthopedics.

I worked as **senior house officer in Orthopaedics** at Derriford Hospital, Plymouth, UK from 03/08/2005 till 02/08/2006. At the same time I was working on my MD thesis in Orthopaedics which was a study on the results of non-infected revision total knee arthroplasties, which was the reason I came to the UK, in order to gain more experience in the field of knee surgery in general, and arthroplasty in particular.

From October 1999 till October 2002, I worked as an **Orthopaedic resident** in El Hadara University Hospital with duties including ward duties, on call duties in 1/5 rota and assisting in most common trauma and elective cases as well as operating on some trauma and elective cases under supervision. During the same period I obtained my master degree of Orthopaedic surgery from Alexandria University.

After my graduation from the Alexandria school of medicine in October 1997 with excellent grade, I started my **house officer training** which included a one year rotation including General Surgery, A&E, Medicine, Paediatrics, Obstetrics and Gynaecology, Anaesthesia, Orthopaedic Surgery and Neurosurgery. This year was followed by working as a **General Practitioner** from March 1999 till my residency appointment in October 1999.

Personal Details:

Surname : KASSEM
Forenames : Mohamed Ahmed Samir
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Current job:

Professor of Orthopaedic Surgery, Alexandria University, Alexandria, Egypt
Consultant Orthopaedic Surgeon Alexandria University Hospitals and Elite Hospital

AO RECON faculty

AO Trauma faculty

Qualifications

MBChB, University of Alexandria, Oct. 1997

MCh Orth, Alexandria University, Nov. 2002

AFSA Orthopedie, Universite Paul Sabatier, Toulouse, France, April 2008

MD Orth, Alexandria University, Nov. 2008

Ministry of health of United Arab Emirates Orthopaedic consultant registered

Scope of speciality:

- primary and revision lower limb Arthroplasty including knee and hip.
- Sports surgery: knee Arthroscopy (meniscus repair and excision and ACL surgery)
- All types of trauma surgery including fractures of the acetabulum and pelvis.
- some experience in shoulder surgery including arthroscopy, trauma, and arthroplasty (arthroscopic subacromial decompression, open Latarjet operation, shoulder hemiarthroplasty)
- some experience in ankle arthroscopy: diagnostic and therapeutic: osteochondral defect debridement, microfracture and synovectomy.
- Joint preservation: PRP and stem cell injection and cartilage preservation surgery: debridement, microfracture, mosaicoplasty.

Training Summary

- House officer, Alexandria University hospitals, from 03.1998 to 02.1999.
- Orthopaedic Resident, Alexandria University Hospitals, from 10.1999 to 10.2002.
- Senior House Officer in Orthopaedic surgery in Derriford hospital, Plymouth from 03.08.2005 till 02.08.2006.
- Assistant Lecturer in Orthopaedic surgery, Alexandria University, from 02.2003 till 02.2009
- Fellowship in Orthopaedics in Rangueil hospital, Toulouse, France, from 11.2007 till 02.2008
- Orthopaedic Specialist registrar, Derriford Hospital, Plymouth NHS Trust from 03.2008 till 11.2009.
- Arthroplasty senior fellowship, Derriford Hospital, Plymouth NHS Trust from 11.2009 for one year.

Details of training:

March 1998- February 1999: Pre-registration House Officer (PRHO)

Following my graduation from Alexandria school of medicine in 1997, I started my training as a house officer for one year at Alexandria University Hospitals. That year of training included General surgery, Internal medicine, Obstetrics & Gynaecology, Anaesthesia, Accident and Emergency, Paediatrics, Neurosurgery and Orthopaedics.

March 1999- October 1999: General Practitioner

After my year of house officer I worked as a General Practitioner until I started my training job as a resident in Orthopaedics

October 1999- October 2002: Resident in Orthopaedics

I then spent three years as an Orthopaedic Resident at El-Hadara Orthopaedic University Hospital, from 13.10.99 to 12.10.02. El-Hadara University Hospital is the teaching Orthopaedic hospital in the city of Alexandria. This is a 400 beds hospital with the following departments: A&E, Trauma and Orthopaedics. It runs regular teaching sessions for undergraduates, MCh and MD candidates. This includes teaching ward rounds, clinical meetings, X-Ray conferences, updated seminars and combined meetings with Radiology, Pathology, Physiotherapy and Oncology departments. My duties were 1 in 5 on call rota, taking part in one and some weeks two all-day operating session, two days clinics, one day ward round and one day teaching.

During the period, I started my training with:

- An introduction to the basics of fracture treatment.
- Management of multiple injured patients. I was a member of the team that used to look after accident and emergency where we used to receive all varieties of RTA and multiple injured patients.
- Techniques of closed reduction of fractures and conservative treatment.
- Open reduction and internal fixation using AO and other techniques.

In addition, I had been involved in the management of cases of:

- Paediatric Orthopaedics
 - Joint replacement
 - Tumour surgery.

At the end of these three years I had submitted my MCh thesis (see below) in partial fulfilment of the Master Degree in Orthopaedics. After submitting the thesis, I was allowed to go through the MChOrtho exam, which included written, oral and clinical viva. I passed the exam and got my MCh degree in November 2002.

February 2003- February 2009: Assistant Lecturer in Orthopaedic Surgery

I was then appointed as Assistant Lecturer (registrar equivalent) in Orthopaedic Surgery in Feb 2003, which carries teaching duties to the undergraduate as well as more advanced surgical training in different aspects of Orthopaedics with MD degree preparation.

During this period my surgical experience included:

- Operating surgeon in trauma e.g. :
 - Closed reduction and cast application of different paediatric and adult fractures
 - Open reduction internal fixation of hand, wrist, forearm and humeral fractures using different methods of fixation.

- Open reduction internal fixation of femoral fractures including neck of femur fixation or replacement with hemiarthroplasty, shaft fractures fixation with plates or nails.
 - Open reduction internal fixation of tibial fractures including tibial plateau fractures, shaft fractures fixation with plates or nails, ankle fracture fixation, pilon fracture external and internal fixation.
 - Open reduction internal fixation of displaced talar and calcaneal fractures.
 - Closed or open reduction internal fixation of Lisfranc injury as well as other tarsal, metatarsal and phalangeal fractures.
- Operating surgeon in elective orthopaedics e.g. :
 - Primary hip and knee arthroplasty
 - Carpal tunnel release
 - Tendon sheath release
 - Management of chronic osteomyelitis with sequestrectomy and debridement.
 - Posteromedial soft tissue release in case of TEV
 - Adductor tenotomy and MUA of DDH
 - Corrective osteotomy in case of tibia vara and genu valgum (children)
 - Excision of benign soft tissue and bone lesions.
 - Diagnostic arthroscopy
- Operating surgeon in emergency orthopaedics e.g. :
 - Incision and drainage of acute osteomyelitis in different bones
 - Incision and drainage of acute septic arthritis in different joints
- First assistant in:
 - Fixation of acetabular and pelvic fractures
 - Fixation of spinal fractures
 - Revision hip and knee arthroplasties
 - Advanced paediatric operations e.g. pelvic osteotomy of DDH
 - Advanced elective operations e.g. arthroscopic ACL reconstruction, tumour surgery
- **February 2009 till June 2016: Lecturer in orthopaedic surgery, Alexandria University, Egypt:** After I passed my MD exams in Orthopaedic surgery, I was promoted to lecturer (consultant equivalent).

- **June 2016 till present: Associate professor of Orthopaedic surgery Alexandria University, Egypt**

Work experience in the United Kingdom:

- From **03/08/2005** till **02/08/2006**, I worked as a **senior house officer** in Orthopaedics in Derriford Hospital, Plymouth, UK. At the same time I was working on my MD thesis.

- Starting from **29/02/2008** and till **29/11/2009** I started working as a **specialist registrar** in Orthopaedics in Derriford Hospital, Plymouth, UK. This is a very big orthopaedic service which includes sixteen consultants and ten registrars. This job includes being second on call on 1/10 rota as well as assisting, operating and training junior staff in many trauma and elective operations. I have gained a lot of experience in this training period especially in advanced elective orthopaedics such as:

- complex primary lower limb arthroplasty
- revision lower limb arthroplasty
- lower limb arthroscopy
- femoroacetabular impingement surgery
- shoulder rotator cuff surgery
- foot surgery
- hand and wrist surgery

It included also more experience in advanced trauma surgery such as:

- Complex pelvis and acetabular fractures
- Periprosthetic fractures

- Starting from **30/11/2009** and for **one year**, I worked as an **Arthroplasty fellow** in Derriford Hospital. It includes operating as well as assisting in different types of lower limb arthroplasty surgeries including primary, complex primary, as well as revision knee and hip arthroplasty. My duties include:

- Unsupervised elective outpatient clinics
- Unsupervised elective lists
- Operating supervised in my consultant lists

- **Locum consultant in Orthopaedics:** starting from **1/12/2010** I worked as a locum lower limb arthroplasty consultant in Derriford Hospital, UK. This job included primary and revision hip and knee replacements as well as knee

arthroscopy surgeries beside trauma duties. This job lasted for three months till the end of my leave from my work in Egypt.

Fellowship in Rangueil hospital, Toulouse, France:

Starting from **01/11/2007** and till **27/02/2008** I was attached to the Orthopaedic department in Rangueil Hospital which is a University Hospital in Toulouse, France.

This is a very busy department with five Orthopaedic theatres. I have been exposed to the recent trends in Orthopaedic surgery such as minimally invasive hip and knee arthroplasties, computer assisted hip and knee arthroplasties, as well as recent trends in fractures fixation.

Postgraduate degrees and researches:

- **MCh degree in Orthopaedics:**

This included a thesis on treatment of delayed union of fractures by the use of Percutaneous Autologous Bone Marrow Injection as a Graft. The title of this thesis was “**Study of the results of the use of Percutaneous Autologous Bone Marrow Injection as a Graft in Fractures with delayed union**”. This was submitted in partial fulfillment of the Master Degree in Orthopaedics from Alexandria University.

After submitting the thesis, I was allowed to go through the MCh exam, which included written, oral and clinical viva. I passed the exam and got my MCh degree in November 2002

- **MD in Orthopaedics:**

I started working on my MD (Orth) thesis, which is entitled “**Study of the results of non-infected revision total knee arthroplasties**” after I was appointed as an Assistant lecturer. I was attached to the Department of Orthopaedics in Derriford Hospital, Plymouth, in order to gain more experience and collect more material for my thesis which will contribute to the value of the thesis. This thesis was discussed and accepted in September 2007. This was followed by passing my MD exams which included written, oral and clinical viva. I passed the exam and got my MD degree in November 2008.

- **Attestation de formation specialisee approfondie de chirurgie orthopedique et traumatologie (AFSA Orthopedie) 2008**

During my training in Rangueil hospital in Toulouse, I attached myself to Paul Sabatier University and I got my degree in Orthopaedics.

- **Teaching experience:**

- Teaching to undergraduates medical students orthopaedic and traumatology as an assistant lecturer.
- Teaching to undergraduates medical students and postgraduates master and MD students orthopaedic and traumatology as a lecturer and assistant professor.

- **Teaching in the French section:**

Starting from the academic year 2006-2007, I started to teach to the undergraduates in the newly formed French section of the faculty of medicine of Alexandria University, Egypt due to my good knowledge of French language.

Courses and meetings attended:

- The AO-Egypt Basic Course.
Cairo, Egypt, September 2002.
- The Annual International Congress of Orthopaedics and Traumatology, held by EOA (Egyptian Orthopaedic Association)
Cairo, Egypt 2002, 2003, 2004, 2006, and 2011.
- EOA/AAOS instructional course on "Pediatric orthopaedics and Pediatric spine".Cairo, Egypt, March 28-31, 2005
- Basic knee arthroscopy course in Cairo, Egypt, April 21, 2005(organised by Egyptian Orthopaedic Associaton in association with Egyptian Group of Arthroscopy and Sports Injury)
- Advanced knee arthroscopy course - Cairo, Egypt, April 22, 2005 (organised by Egyptian Orthopaedic Associaton in association with Egyptian Group of Arthroscopy and Sports Injury)
- Immediate Life Support (ILS) Course - Derriford Hospital, Plymouth, September 2005
- Acute Life Threatening Events Recognition and Treatment course - Derriford Hospital, Plymouth, October 2005.
- 35th British Orthopaedic Association instructional course - Birmingham, 13-15 January 2006.

- Interactive teaching course Alexandria University, January 2007.
- International conference on Resurfacing Hip Arthroplasty, Toulouse, France, December 2007
- Periprosthetic fracture symposium, Exeter, UK, June 2009.
- Bristol Hip Meeting, Bristol, UK, November 2009.
- Depuy Knee arthroplasty computer navigation course, Plymouth, UK, November 2009.
- Depuy knee arthroplasty revision course, Hamburg, Germany, September 2010.
- Arthrex shoulder arthroscopy essential skills. Sheffield, UK. October 2010.
- Arthrex shoulder arthroscopy essential skills. Sheffield, UK. November 2010.
- AO Advanced course. Cairo, Egypt. June 2014.
- AO RECON principles of primary knee and hip arthroplasty course. Dubai November 2015
- Warwick Sports knee surgery conference November 2015. St James Park, Burton Upon Trent January 2016
- Advanced Trauma Life Support ATLS course Alexandria march 2016
- Zimmer Biomet knee revision arthroplasty interaction meeting. Florence Italy April 2016
- ESSKA biannual meeting Barcelona Spain May 2016
- SICOT Annual congress Rome Italy September 2016
- SICOT Annual congress Cape town South Africa November 2017
- ICJR Dubai Annual congress, Dubai, UAE 2019

Publications:

- Refai HF, Kassem MS. The conventional anterolateral versus the minimally invasive direct anterior approach for total hip replacement. *Panarab Journal of Orthopaedics and Trauma* 2013; 17 (2): 75-82.
- Kassem MS. Percutaneous autogenous bone marrow injection for delayed union or non union of fractures after internal fixation. *Acta Orthopaedica Belgica* December 2013 (79): 711-717.
- Refai HF, Kassem MS. The minimally invasive total hip replacement via the direct anterior approach: a short term clinical and radiological results. *Alexandria Journal of Medicine*, March 2014 (50): 31-36.

- Kassem MS, Rafalla AA. The Use Of Autogenous Bone Marrow With Or Without Synthetic Graft In The Treatment Of Osteolytic Bone Tumours. Accepted for publication: Ain Shams Orthopaedic Journal January 2014.
- Kassem MS, Keenan J. Allogenic blood transfusion requirements in case of revision hip arthroplasty with the use of perioperative autotransfusion and intraoperative haemoglobin monitoring with meticulous hemostasis. Accepted for publication in: Ain Shams Orthopaedic Journal June 2014
- Refaat A, Kassem MS, et al. Treatment of unstable trochanteric femoral fractures with Gamma three nails. Panarab Journal of Orthopaedics and Trauma. Accepted for publication March 2014
- Kassem MS. Type II infected knee arthroplasty: do not wait until you lose all your bone stock! A case series. Egyptian orthopaedic journal: accepted August 2014
- Kassem MS. Orthopaedic applications of bone marrow derived stem cell. Elhadara university hospital experience. Egyptian orthopaedic journal: accepted August 2014
- Refai HF, Kassem MS. Computer navigated knee replacement: how to get it right and at the same time quick! Journal of Current Orthopaedic Practise. November/December 2015; 26(6):E25-E29.
- Rashed RA, Sevenoaks H, Shabaan AM, Choudry QA, Hammad AS, Kassem MS, El Khadrave TA, El Dakhakhny MM. Functional outcome and health related quality of life after dual mobility cup total hip replacement for displaced femoral neck fractures in middle aged Egyptian patients. Injury. 2018 Mar;49(3):667-672 .

Presentations and talks:

- “Review of the management of congenital and acquired hind foot mal alignment”
Annual scientific activity of the Orthopaedic department of Alexandria University, 2003
- “Review of entrapment neuropathies of the upper limb”.
Annual scientific activity of the Orthopaedic department of Alexandria University, 2004
- Talk entitled: “Hip protectors do they really protect the hips?”
The annual conference of the Orthopaedic department of Alexandria University 2004
- Talk entitled: “management of infected knee arthroplasty”
Annual scientific activity of the Orthopaedic department of Alexandria University, 2006
- Talk entitled: “ patellofemoral arthroplasty”
Annual arthroplasty specialty day of the Orthopaedic department of Alexandria University, 2006
- Talk entitled: “use of autologous bone marrow in the management of delayed union of tibial fractures”

The postgraduate teaching of Orthopaedics

Toulouse, France, 2008

- Talk entitled: " exposures in revision hip arthroplasty"
International revision hip arthroplasty conference.
Alexandria, Egypt, 2010.
- Talk entitled: "use of autologous bone marrow in the management of delayed union of tibial fractures"
The Annual International Congress of Orthopaedics and Traumatology, held by EOA (Egyptian Orthopaedic Association) 2011
- Talk entitled " revision knee arthroplasty with massive bone defects, assessment and management"
The Annual International Congress of Orthopaedics and Traumatology, held by EOA (Egyptian Orthopaedic Association) 2012
- Talk entitled: Study of the use of percutaneous autogenous bone marrow injection as a graft to treat internally fixed fractures with delayed or non union.
The Mediterranean Trauma Conference held by EOA (Egyptian Orthopaedic Association) 2013
- Talks entitled:
 1. A rare case of periprosthetic hip fracture
 2. Infected knee arthroplasty. Do not wait until you loose all your bone stock!The Annual International Congress of Orthopaedics and Traumatology, held by EOA (Egyptian Orthopaedic Association) 2013
- Talk entitled:

Total hip replacements following acetabular fractures

The Annual International Congress of Orthopaedics and Traumatology, held by EOA (Egyptian Orthopaedic Association) 2014
- Eposters:

Infected knee arthroplasty. Do not wait until you loose all your bone stock!

The conventional anterolateral versus the minimally invasive direct anterior approached for total hip replacement.
SICOT Annual congress Rome Italy September 2016
- Talk entitled:

-THR.causes of failure and indications for revision.

- Periprosthetic fractures non union. (AO Trauma session)

3rdInternational Egyptian Pelvis & Hip Society Conference. Alexandria, Egypt May 2017.
- Talk entitled:

- total hip replacement in acetabular dysplasia. Don't forget the femur

- light bulb technique in management of AVN in young adults

4th International Egyptian Pelvis & Hip Society Conference. Cairo, Egypt May 2018.

Courses and conferences organised

- Mediterranean trauma conference Alexandria, Egypt, May 2014 (organiser and speaker).
- Primary total knee arthroplasty saw bone workshop: annual scientific programme (organiser and instructor)
- Egyptian pelvis and hip society annual conference Alexandria May 2015 (organiser and speaker and instructor in Exeter cemented hip arthroplasty workshop)
- Total knee replacement live surgery instructional session. Alexandria Orthopaedic department annual scientific activity 2015-2016 (I was the operating surgeon)
- ICJR Egypt 2016 (speaker and instructor in knee arthroplasty workshop)
- Egyptian pelvis and hip society annual meeting May 2016 (instructor in hip arthroplasty workshop and cadaveric course of hip surgical approaches)
- AO RECON primary hip and knee arthroplasty course Dubai October 2016 (faculty)
- AO Trauma Basic course. Cairo July 2017 (faculty)
- Total knee arthroplasty workshop. National Institute of Training. (17/08/2018)
- Biological treatment of osteoarthritis. EOA knee course. Cairo (02/09/2017)
- Cemented THR, failure in THR, Annual scientific activity of Alexandria department of Orthopedics. Alexandria (19/02/2018)
- ACL reconstruction workshop. Annual scientific activity of Alexandria department of Orthopedics. Alexandria (26/02/2018)
- Failed TKR, to revise or to fuse, Revision knee arthroplasty day, Annual scientific activity of Alexandria department of Orthopedics. Alexandria (13/04/2018)
- Egyptian pelvis and hip society annual meeting April 2019

Audits:

- Audit on the bone allograft handling in Derriford Hospital and compliance with the trust policy. Plymouth NHS Trust.
- Re-audit on the blood transfusion requirements in revision hip arthroplasty. Plymouth NHS Trust.

Information Technology:

I am efficient in the use of computer, especially Microsoft Word, Excel and Powerpoint. I am a frequent user of the Internet.

Membership of professional bodies:

- Egyptian Medical Syndicate under number 131502 on 04/03/1999
- Egyptian Orthopaedic Association (EOA) membership since 2002
- UK GMC Registration (full) under number 6131583 on 08/2006
- Egyptian pelvis and hip society member
- AO Trauma faculty member
- AO Recon faculty member
- SICOT member