




Ahmed Abdelazim Hassan


MBBCh, MSc, MRCSEd, Phd(c)



30 Ahmed Ali Aloba St., Assiut, 
Egypt 71111

+201288103657 
+20882065025

ahmed_hassan1@med.aun.edu.eg 
ahmedabdelazim2014@yahoo.com

linkedin.com/in/ahmed-hassan- 
438a9914b

A conscientious, reliable and hardworking Orthopedics & trauma surgery assistant lecturer pays attention to details, crusader of clinical governance, with excellent interpersonal and time management skills, seeking further training, experience and insight in orthopedic and trauma surgery.

Personal Data

Full name: Ahmed Abdelazim Abdelrahim Hassan

Current Posts:

Assistant lecturer of Orthopedics and Trauma Surgery, Faculty of Medicine, Assiut University, Egypt

Specialist of Orthopedics and Trauma Surgery, Assiut University Hospitals, Egypt

Birth Date and Place: 03/11/1991 in Assiut, Egypt

Nationality: Egyptian

Marital Status: Single

Spoken Languages

English: Academic IELTS total band score: 7.5 (Level C1)

Occupational English test (OET): 2A`s, 2B`s (OET gold standard)

French: Elementary proficiency

German: B1 level

Arabic: Native Language

Medical License and Registration

Egypt

Egyptian Medical Syndicate (EMS)

Registration number: **275747**

License number: **278417**

The United Kingdom

General Medical Council (GMC)

Registration number: **8039212**

EMPLOYMENT HISTORY

NOVEMBER 2022- FEBRAUARY 2023

Clinical Fellow/ Department of Spine Surgery, Helios Klinikum Erfurt, Erfurt, Germany

MARCH 2022-JUNE 2022

Clinical Research Fellow/ AO Foundation Innovation and Translation Center (AO ITC), Dübendorf, Zürich, Switzerland

June 2021- ongoing

Assistant Lecturer/ Department of Orthopedics and Trauma surgery, Faculty of Medicine, Assiut university, Assiut, Egypt

SEPTEMBER 2019 – JUNE 2021

Demonstrator/ Department of Orthopedics and Trauma surgery, Faculty of Medicine, Assiut university, Assiut, Egypt

MARCH 2017 – SEPTEMBER 2019

Resident/ Department of Orthopedics and Trauma surgery, Assiut University Hospitals, Assiut, Egypt

March 2016 – March 2017

House Officer/ Assiut University Hospitals, Assiut, Egypt

completed rotations in: General Surgery, OB/GYN, Pediatrics, Cardiothoracic Surgery, accidents and emergency, and Internal Medicine

01/02/2016-28/02/2016

Training Physician/ Department of Orthopedics and Traumatology, Universitätsklinikum Freiburg, Freiburg im Breisgau, Germany

Education

MARCH 2017

MBBCh / Faculty of Medicine, Assiut university, Assiut, Egypt

Magna Cum laude

APRIL 2021

MSc (Orthopedics and Trauma Surgery) / Faculty of Medicine, Assiut university, Assiut, Egypt

GPA 3.4

a) Dissertation titled "Arabic Translation and Validation of the modified Japanese Orthopedic Association (mJOA) cervical myelopathy score".

b) Examination:

- First Part: Pathology, Anatomy, Physiology, Pharmacology, Histology and General Surgery.
- Second Part: Orthopedic and Trauma Exams: Written, Oral, Clinical and Operative.

DECEMBER 2021

AO College program (AO Spine division) / AO Foundation, Switzerland

APRIL 2023

MRCSEd (Membership of the Royal college of Surgeons of Edinburgh) / RCSEd (Royal College of Surgeons of Edinburgh), UK

MAY 2021 - ONGOING

PhD (Orthopedics and Trauma Surgery) / Faculty of Medicine, Assiut university, Assiut, Egypt

- Dissertation titled "Minimally Invasive Surgical Management of Traumatic Spinopelvic Instability"
- Passed first part in October 2021 (including: Forensic medicine, Research Methodology and Basic Biomedical Statistics)
- Passed second part in October 2022 (including: orthopedic biomaterials & biomechanics, orthopedic surgical anatomy, orthopedics surgical pathology)

FEBRUARY 2022 - ONGOING

Global Spine Diploma Program / AO Foundation, Switzerland

Research grants

- 1- **Sub-investigator, The AO Spine MENA Research grant award 2019, *Vitamin D Deficiency as a Risk Factor for Spondylolysis in Young Adults; Case-control Study***
- 2- **Principal investigator, AO Spine 2021 Research Start-up Grant, *Evaluation of the Reliability & Validity of Remote Spine Examination***

International Research Projects

- 1- **Sub-investigator, *Spine TL-A3-A4 study: Thoracolumbar burst fractures (AO Spine A3, A4) in neurologically intact patients: An observational, multicenter cohort study comparing surgical versus non-surgical treatment.***

Ongoing Research Projects

- 1- Sub-investigator, Metal removal of thoracolumbar fractures in neurologically intact patients: A systematic review
- 2- Principal investigator, The value of Quantitative CT parameters in the diagnosis of meniscal and ligamentous injuries in acute tibial plateau fractures: a systematic review and meta-analysis
- 3- Principal investigator, Management of osteolytic lesion of the cuboid: A case report and review of literature
- 4- Sub-investigator, Asymmetrical VCR for management of Adolescent Congenital Scoliosis: case series and review of Literature
- 5- Principal investigator, Traumatic lumbar disc prolapse on top of neglected congenital lumbar kyphosis: A case report
- 6- Sub- investigator, ECG interpretation among orthopedic surgeons
- 7- Sub- investigator, workplace harassment among orthopedic surgeons
- 8- Sub- investigator, Fast-Track surgery in degenerative lumbar spine
- 9- Principal Investigator, Minimally Invasive surgical management of traumatic spinopelvic instability
- 10- Sub-investigator, The Incidence of AVN after modified Dunn procedure for SCFE: A systematic review and meta-analysis

Publications

- 1- Abdelnasser MK, Morsy M, Osman AE, AbdelKawi AF, Ibrahim MF, Eisa A, Fadle AA, Hatem A, Abdelhameed MA, **Hassan AAA** & Abdelgawaad AS (2020) COVID-19. An update for orthopedic surgeons. SICOT-J 6, 24
- 2- Elnady B, **Hassan AAA**, Hassan KM & Ali HM (2021) Validation of a translated version of the modified Japanese Orthopedic Association (mJOA) cervical myelopathy score in an Arabic speaking population. SICOT-J 7, 50
- 3- Mahran MA, **Hassan AAA**, Moustafa MM, et al. Femoral head osteonecrosis post-COVID-19 infection, a prophecy coming true. A report of seven hips. Journal of Musculoskeletal Research 2022.
- 4- Oral Presentations. *Global Spine Journal*. 2022;12(3_suppl):4S-204S.
- 5- Vaccaro, Alexander R., et al. "Global Validation of the AO Spine Upper Cervical Injury Classification." *Spine* (2022): 10-1097
- 6- Lambrechts, Mark J., et al. "Global Validation of the AO Spine Upper Cervical Injury Classification: Geographic Region Affects Reliability and Reproducibility." *Global spine journal* (2022): 21925682221124100.
- 7- Elective surgery system strengthening development, measurement, and validation of the Surgical Preparedness Index (SPI) across 1632 hospitals in 119 countries. J Glasbey, A Bhangu, COVIDSurg Collaborative - The Lancet, 2022

Fellowships

- 1- AO ITC Clinical Research fellowship, AO Foundation, Zurich, Switzerland, March 2022
- 2- AO Spine MENA Fellowship, Helios Klinikum Erfurt, Erfurt, Germany, November 2022

International Conference Presentations & E-Posters

- *Arabic Translation and Validation of the modified Japanese Orthopedic Association (mJOA) cervical myelopathy score*, presented at the Global Spine Congress (GSC) 2022, Las Vegas, USA, June 2022
- *The AOITC Clinical Research Fellowship: integrating clinical research and surgery*, Presented at the AO Trauma Research Symposium – Complex Trauma Management, Cairo, Egypt, February 2023

- *Spinopelvic Dissociation" Revisiting an Ambiguous Term: A Systematic Review*, E-poster at the Global Spine Congress (GSC) 2023, Prague, Czech Republic, June 2023
- *"Mono-axial Versus Poly-axial Pedicle Screw Fixation for Thoraco-lumbar Fractures: A Randomized Controlled Trial"*, E-poster at the Global Spine Congress (GSC) 2023, Prague, Czech Republic, June 2023

National and Regional Presentations

- *Recent Trends in the management of Perianal Fistulae*, presented at the Department of General Surgery, Assiut University Hospital, March 2015.
- *Disorders of fetal growth*, presented at the Department of OB/GYN, Women Health Hospital, Assiut University, June 2015
- *External fixation: indications and general assembly* presented at the department of Orthopedics and Trauma surgery, Assiut University Hospital, April 2018
- *Hip examination*, presented at the Department of Orthopedics and Trauma surgery, Assiut University hospitals, April 2019
- *Management of Hallux Valgus*, presented at the department of Orthopedics and Trauma surgery, Assiut University Hospitals, September 2019
- *Morbidity & Mortality report*, presented at the monthly Grand Conference, Department of Orthopedics and Trauma Surgery, Assiut University hospitals, March 2020
- *Morbidity & Mortality report*, presented at the monthly Grand Conference, Department of Orthopedics and Trauma Surgery, Assiut University Hospitals, April 2021
- Microsurgery Unit monthly report, presented at the monthly Grand Conference, Department of Orthopedics and Trauma Surgery, Assiut University hospitals, June 2021
- *Osteochondrosis of the foot*, presented at the Foot and Ankle Unit Conference, Department of Orthopedics and Trauma Surgery, Assiut University Hospitals, July 2021
- Arthroscopy Unit monthly report, presented at the monthly Grand Conference, Department of Orthopedics and Trauma Surgery, Assiut University hospitals, December 2021
- *An Unusual Pattern of Spinopelvic Dissociation*, presented at the 6th Annual Specialties Conference, Department of Orthopedics & Trauma Surgery, May 2023, Assiut, Egypt
- *Ipsilateral Femoral Neck and Shaft Fractures*, presented at the 6th Annual Specialties Conference, Department of Orthopedics & Trauma Surgery, May 2023, Assiut, Egypt

Course Instructor

- The Basics of Clinical and Surgical Skills of the Orthopedic Surgeon Course, Cairo, Egypt, September 2022

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Courses Attended

- Basic Life Support (BLS) course (certified BLS provider), April 2017, Assiut, Egypt
- AO PEER course program- Principles of clinical research, January 2018, Cairo, Egypt
- AO Trauma Course- Basic Principles of Fracture Management, Assiut, Egypt, March 2018
- Advanced Trauma Life Support (ATLS) course (certified ATLS provider), September 2019, Assiut, Egypt
- Deformity planning Course, provided by the Egyptian Orthopaedic Association, 6-8 November 2019, Cairo, Egypt
- AO PEER Level 2–Grant Writing Course, February 2021
- AO Trauma Blended Course-Advanced Principles of Fracture Management, July 2021, Cairo, Egypt
- AO Spine Advanced Course—Complications Avoidance and Management in Cervical Spine Surgery, August 2021, Cairo, Egypt
- Pre-course: next generation Spinal Intervention: augmented reality and virtual reality, Global Spine Congress (GSC) 2021, November 2021, Paris, France
- AO Spine Course—Micro-decompression and Percutaneous Fixation, December 2021, Davos, Switzerland
- ATLS Instructor course, December 2021, Cairo, Egypt
- Good Clinical Practice (GCP) course, Whitehall Training (online course), April 2022
- AO Spine Advanced Level Simulation Course – Complications in Spine Surgery, October 2022, Dubai, UAE
- Care of the Critically Ill Surgical Patient (CCrISP) Course, April 2023, Cairo, Egypt
- Pre-course: New and Upcoming Technologies and Techniques in Spinal MIS Surgery, Global Spine Congress (GSC) 2023, June 2023, Prague, Czech Republic
- Pre-course: Cervical Spine Injuries, Global Spine Congress (GSC) 2023, June 2023, Prague, Czech Republic

Conferences, Seminars and Webinars

- Principles of Spinal fractures: an AO Spine endorsed meeting, April 2017, Assiut, Egypt
- AO Trauma Seminar – Polytrauma, November 2017, Cairo, Egypt
- Annual International Congress of the Egyptian Orthopedic Association, December 2017, Cairo, Egypt
- The 3rd Annual Specialties conference, Department of Orthopedics & Trauma Surgery, Assiut University, March 2018, Assiut, Egypt
- AO Trauma Seminar – Bone Infection, November 2018, Cairo, Egypt
- AO Spine Seminar – Spinal Deformity, December 2018, Cairo, Egypt
- The 4th Annual Specialties conference, Department of Orthopedics & Trauma Surgery, Assiut University, March 2019, Assiut, Egypt
- The 12th international conference of the Egyptian society for surgery of the hand and microsurgery “ESSHM”, March 2019, Cairo, Egypt
- AO Wrist Symposium, March 2019, Cairo, Egypt
- Annual International Congress of the Egyptian Orthopedic Association, December 2019, Cairo, Egypt
- AO Spine Advanced Level Live Surgery Seminar—Minimally Invasive Spinal Surgery, February 2020, Cairo, Egypt
- AO Spine Research Webinar - Defining the knowledge gaps to accelerate progress and advance outcomes in DCM, May 2020
- AO Spine Principles Webinar—Pyogenic Spondylodiscitis: Epidemiology, classification, options of treatment, May 2020
- AO Spine Principles Webinar—Osteoporotic Fractures: State of the Art, June 2020
- AO Spine in-League Advanced Webinar—Adult Degenerative Scoliosis: What We Should Know in 2020, June 2020
- AO Spine Advanced Webinar—Bilateral Decompression of Lumbar Spinal Stenosis via a Monolateral Approach, June 2020
- AO Spine Webinar—Asymptomatic Dangerously Positioned Pedicle Screws, July 2020
- AO PEER Webinar: Statistics and sample size calculation: Give your study enough power, July 2020
- AO Spine Webinar—Artificial Intelligence and Machine Learning: Cutting Edge Applications in Spine, November 2020
- AO Spine Advanced Webinar—Management of Osteoporotic Fractures. New Advances, March 2021
- Global Spine Congress (GSC) 2021, November 2021, Paris, France
- Annual International Congress of the Egyptian Orthopaedic Association, December 2021, Cairo, Egypt
- AO Spine principles webinar – cervical myelopathy: anterior, posterior, or combined approach, April 2022
- AO Spine principles webinar – Is there a rationale for sacroiliac and joint fusion? November 2022
- Global Spine Congress (GSC) 2022, June 2022, Las Vegas, USA
- AO Trauma Research Symposium – Complex Trauma Management, Cairo, Egypt, February 2023

- The 6th Annual Specialties Conference, Department of Orthopedics & Trauma Surgery, May 2023, Assiut, Egypt
- Global Spine Congress (GSC) 2023, June 2023, Prague, Czech Republic

Conference Organization

- The 2nd Annual Specialties Conference, Department of Orthopedics & Trauma Surgery, April 2017, Assiut, Egypt

Student Organizations

During my college years, I was an active member of Assiut Student Scientific Association (ASSA). ASSA is a member of the IFMSA (International Federation of Medical Students Associations).

Voluntary Work

Member of Assiut Childhood and Development Association (ACDA), a Non-Governmental Organization, which aims at caring for handicapped children, in the physical, social and mental aspects (<https://acdaegypt.com/>).

Scientific Organizations Membership

- Member of the Egyptian Orthopaedic Association (EOA) since March 2018
- Member of AO Trauma since March 2018
- Associate member of the SICOT (Société Internationale de Chirurgie Orthopédique et de Traumatologie) since March 2018
- Member of AO Spine since November 2018
- Associate Member of the AOSpine Knowledge Forum Trauma, June 2023

Education

As an assistant lecturer in the department of Orthopedics and Trauma Surgery, I am extensively involved in:

- A biweekly held Orthopedic teaching rounds to final year medical students.
- A weekly held teaching lecture for Orthopedic Residents and Assistant Lecturers.
- Postgraduate teaching for Orthopedic surgeons in Assiut University Hospitals.
- Helping in the research programs held at our department.

Surgical Experience

During the past 6 years, I was able to take part in a wide variety of surgical procedures exceeding 3000 operations including:

Operating surgeon:

- **Spine Surgery**

Fixation of Thoracolumbar fractures including decompression and dural tear repair

Lumbar intertransverse fusion

Lumbar interbody fusion

Lumbar decompression and discectomy

Anterior cervical discectomy and fusion

Anterior cervical corpectomy

Lateral mass screw fixation and cervical laminectomy

Percutaneous transpedicular screw fixation

Spinopelvic Fixation

- **Trauma Surgery**

Fixation of diaphyseal and complex intra-articular fractures and dislocations

Pelvic and Acetabular Fractures

Management of non-unions and malunions

Bone grafting (including iliac bone grafts, non-vascularized fibular grafts and allografts)

External fixation of open fracture and wound management

Fasiotomies

Management of polytraumatized patients

Various implant removal procedures

- **Arthroplasty**

Hip hemiarthroplasty

Total hip replacement

High tibial osteotomy

DAIR procedures (Debridement Antibiotics and Implant Retention)

Hip excision arthroplasty (Girdlestone procedure)

Knee arthrodesis

- **Arthroscopy**

Diagnostic knee arthroscopy

Arthroscopic meniscectomy

Diagnostic shoulder arthroscopy

Mini-open rotator cuff tear repair and biceps tenodesis

- **Foot and ankle surgery**

Ankle, subtalar and pantalar fusion

Ankle arthrodesis by Ilizarov

Tibialis anterior tendon transfer

Steindler procedure

Tendoachilles lengthening

Tendoachilles repair

- **Pediatric Surgery**

Eight plate epiphysiodesis

Adductor and hamstring lengthening

Strayer Procedure

- **Hand and Reconstructive Microsurgery**

Tendon injury repair and grafting

Nerve injury repair and grafting

Carpal tunnel, cubital tunnel and Guyon canal release

Ulnar nerve anterior transposition

Incisional and excisional biopsies

Split and full thickness skin grafts

Medial and lateral head gastrocnemius flaps

Proximal raw carpectomy

ORIF of various wrist and hand fracture

1st assistant surgeon:

1. Minimally invasive discectomy
2. Lumbar & thoracic corpectomy
3. Occiptocervical fusion
4. Surgical correction of congenital scoliosis and adolescent idiopathic scoliosis
5. Autologous cartilage implantation (ACI)
6. Total knee replacement
7. Free vascularized flaps
8. Bone transport by Ilizarov
9. Shoulder hemiarthroplasty
10. Arthroscopic ACL reconstruction
11. Shoulder arthroscopic surgeries (Bankart repair, SLAP repair, Rotator cuff repair, Subacromial decompression, AC joint excision, arthroscopic capsular release)