



Ahmed Ammar, MBChB, DMSc, FICS, FACS,

Professor and Consultant Neurosurgeon, KFHU, Dammam University since 1994.

Born in Egypt in 1953, graduated from the Medical School in 1977. Started my Neurosurgery training program in Karolinska Institute, Stockholm Sweden in 1979. Then Moved to Japan, Shinshu University to obtain the Doctorate in Neurosurgery in 1984. Fellowship, Dept of neurosurgery Pittsburgh University, USA, 1989.

Areas of interest:

a. Neurosurgical practice:

Fully involvement in busy neurosurgical service, operated till more than 6000 neurosurgical patients. Special interest for pediatric neurosurgery. Special interest in pediatric neurosurgery and head trauma.

b. Education:

1. Dedicated educator shared in writing 3 fellowship training programs in Saudi Arabia, Egypt, Gulf States, involved in teaching, supervising training medical students, neurosurgical residents, and neurological science trainees.
2. Public education; organized several campaigns for public education regarding dealing with severely disabled children

c. Scientific contributions and achievements:

I. Books, published chapters, manuscripts and presented lectures:

1. "Ethics in Neurosurgery Practice" book published by Springer (September 2014)
2. "Hydrocephalus- what we know and what we still don't know" by Springer 2018
3. "Correlation between neuroradiology, histopathology and clinical presentations in neurosurgical disorders" by Springer – in progress.

Published over 150 manuscripts in International journals

Published chapters in 7 books

Presented over 500 lectures in international conferences and workshops.

II. Discoveries in neurosurgical disorders:

Described and named special neurological and neurosurgical condition in children which was published in Journal of Neurosurgery

Described two neurosurgical procedures, for the first time.

Described the pathophysiology and put theory for the development of Idiopathic Normal Pressure Hydrocephalus.

Described and classified Dandy Walker Syndrome

Put the guideline for intrauterine intervention in cases of hydrocephalus.

III. Invention:

Obtained 5 patents and failed to obtain 2 more patents from USA

Designed as well 4 neurosurgical instruments, which had been manufactured by major international companies.

IV. Current Scientific research:

1. The long outcome of mild head trauma (in progress)
2. The long outcome of hydrocephalus. (Finished)
3. Wide Genome for Epilepsy (in Progress)
4. The use of stem cells In reconstruction of severely damaged spinal cord (published in 2017)
5. The wide genome of hydrocephalus (in progress)
6. Predication of the long outcome of hydrocephalus (finished, and data was presented).
7. Dandy Walker Syndrome, new theory to understand the pathophysiology
8. Introduce the Comprehensive idiopathic normal pressure hydrocephalus to explain the pathophysiology of hydrocephalus
9. Fetal hydrocephalus
10. Modernizing the postgraduate training. "Integrated curriculum"

V. Editor and reviewer in International journals:

Editor and editorial board member in several journals, Child's nervous system, Neuro Research journal, applied medical medicine journal, Asian Neurosurgical journal, Saudi Medical Journal, Pan Arab Neurosurgical Society, Journal and others.

Reviewer in other tens of journals

VI. Medical Students scientific computation:

Organized the annual computation between the Saudi Scientific students for best research and genuine scientific ideas for 6 years.

d. Administrations:

Chairman of the department of neurosurgery for several years

Member and chairing several University and faculty of medicine committees.

Career Advisor of The Faculty of Medicine for more than 6 years.

Wrote first head Trauma Protocol for MOH, in Saudi Arabia 2013

e. Awards:

1. Life time achievement in Medicine/ Neurosurgery Award, Venous International Foundation, 2016
2. Walter Dandy Neurosurgical international Society Award, 2015
3. Saudi Neurosurgical Society Medal of appreciation 2014
4. Saudi neuroscience Society Appreciation Award 2009

f. Current Membership of International Societies

1. Member of over 20 national and international scientific and neurosurgical societies.
2. Member of Ethics, Bylaws, standards of resident training and education committees of WFNS
3. Member of WFNS-WHO liaison committee
4. Member of the WFNS Ethics committee
5. Members of resident training in neurosurgery committee, WFNS
6. General Secretary of the International Society for Neurosurgical technology and instruments invention (ISNTii)