

Dr. Hani Abdulsattar Shaker

Medical Speech & Swallowing Disorders

San Jose State University - California
University of Bath – United Kingdom



د. هاني عبدالستار شاکر

طبيب اختصاصي طب التخاطب وإضطرابات البلع
جامعة سان هوزي بالولايات المتحدة الأمريكية
جامعة باث – المملكة المتحدة

Curriculum Vitae



Dr. Hani Abdulsattar Shaker

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<http://www.hani-shaker.com>

Date of birth: 22/2/1386 Hijri. – June 11, 1966

Education and Qualifications:

- 1991 Graduated M.B.B.S, medical degree, King Abdulaziz University, Jeddah, Saudia Arabia
- 1992 I completed successfully the compulsory internship year, Jeddah city, Saudia Arabia
- 1995 Diploma in Family Medicine, Saudi Council for Health Specialties, Saudia Arabia
- 2006 Master Degree in Speech Language Pathology, San Jose State University, San Jose, California, USA.
- 2007 Certified of Clinical Competence in Speech Language Pathology, American Speech-Language-Hearing Association (ASHA)
- 2007 Certificate in Fiberoptic Endoscopy for Evaluation of Swallowing (FEES), University of California, San Francisco.
- 2007 Certification as a Vital Stim therapy provider for patients with swallowing disorders, San Francisco, CA
- 2012 Master Degree in Healthcare Informatics, University of Bath, UK.

Current job:

- 📅 July 10, 2014 – Up to date:
 - ✳ Medical speech and Swallowing disorders physician in Al-Noor specialist hospital and in Maternity & children hospital.
- 📅 September 25, 2016 – Up to date:
 - ✳ General Director Assistant for Electronic Health & I.T. - Directorate-General of Health Affairs in Makkah Region
- 📅 January 01, 2018 – Up to date:
 - ✳ Consultant in Electronic Health & information technology in Ministry of health.



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Scope of service:

Swallowologist is one of the Speech-language pathology specialties who can clinically assess and manage patients with oro-pharyngeal dysphagia. Usually, patients who have oro-pharyngeal dysphagia complain of the following swallowing problems: 1) drooling; 2) coughing and/or choking on liquids or foods during or right after eating or drinking; 3) wet or gurgle voice during or after eating or drinking; 4) feeling of food sticking in the throat or upper chest; 5) extra time and effort required for eating; 6) history of recurring pneumonia or chest congestion after eating; and 7) weight loss or dehydration from not being able to eat enough. Oro-pharyngeal swallowing assessment is to approach patients with dysphagia that can be performed by a certified speech-language physician. A comprehensive dysphagia assessment helps diagnose patients with different diseases such as neuro-muscular diseases, respiratory diseases, failure to thrive, etc., which interfere with swallowing ability.

The initial oro-pharyngeal swallowing assessment will include a careful review of the patient's history, clinical assessment of the strength, range of motion and coordination of the muscles involved in swallowing, and may entail observation of the patient eating and drinking. In addition, instrumental assessment of swallowing (videofluoroscopic swallow study and/or fiberoptic endoscopic evaluation of swallowing) are required to complete the oro-pharyngeal swallowing disorders management. The goals of the swallowing assessment are to obtain a detailed analysis of the patient's oropharyngeal swallowing mechanism; to correlate these findings with the patient's dysphagia symptoms; and to assess effectiveness of therapeutic techniques, which might improve swallow function.

Swallowing therapy may include education in compensatory techniques to make swallowing more efficient and to reduce the risk of aspiration, diet modification, and/or instruction in exercises to strengthen and improve the coordination of the swallowing mechanism. Moreover, using VitalStim therapy might be helpful for some patients to strengthen muscles responsible for swallowing mechanism.

In addition, I'm certified as Health Informatician who provides the training and research opportunities for individuals to assess, develop, and implement new technologies that will provide decision support to health care professionals and biomedical scientists.

The explosion of medical and biological information has made it clear that innovative advances in storing, retrieving, and interpreting information are essential for health professionals and scientists. Physicians can no longer expect to master comprehensively the information in their areas of expertise. Instead, they must increasingly rely upon problem solving strategies and the ability to access systematically the information required for thoughtful patient care. For this reason, my job is by using system-analytic tools to coordinate or harmonize between the different medical technology and physicians who should be trained and involved in applying health information technology in their practice.



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Work & Administrative Experiences:

September 12, 1992 – November 26, 1992:

Assigned as practitioner in one of the Primary Health Car (PHC) in Madinah city.

November 28, 1992 – August 31, 1995

Arab Board Family Medicine postgraduate program candidate

September 1, 1995 – May 10, 1998:

- * Family Practitioner in Al-Harra Alsharqia PHC. In addition, I was assigned as General Assistant Supervisor in Postgraduate program of Family Medicine in Al-Madinah and as a Director of Al-Harra Alsharqia PHC.
- * I practiced at Assalam PHC then at Al-Harra alsharqia PHC.
- * I was charged as Registrar in Postgraduate program of Family Medicine.
- * I was charged as clinical training supervisor of the Postgraduate program of Family Medicine.
- * I was charged as chief of coordination committee in postgraduate program of Family Medicine in Al-Madinah region.
- * Lecturer for Family medicine training program.
- * Lecturer and trainer for primary care physician and nurses in quality assurance training program in Al-Madinah region.
- * Participated as a lecturer in continues medical education in Al-Madinah region.
- * Membership in Saudi Society of Family and community medicine.

May 20, 1998 – November 13, 1999

- * Family Medicine Practitioner in King Faisal Hospital at Makkah city.
- * Medical Record system supervisor in King Faisal Hospital at Makkah.

December 4, 1999 – May 24, 2000

- * Medical Informatics and computer system supervisor in Alnoor Specialist Hospital.

May 27, 2000 – March 14, 2001

- * Computer system network supervisor in Ministry of Health Affair at Makkah city.
- * Trainer for computer system applications in Ministry of Health Affair at Makkah city.
- * Designer for Ministry of Health Affair web site.

March 15, 2001 – July 29, 2003:

- * Family Medicine specialist in Alnoor Special Hospital at Makkah city.
- * Medical Informatics Technology Center supervisor in Alnoor Specialist Hospital, where I could take care of the following:
 - * Business analyst to upgrade the hospital information system (HIS) program in the hospital to achieve the vision and concept of electronic medical record or computerized based patient record.
 - * ICD-10 coding supervisor in Alnoor Specialist Hospital, which was granted the permission and authorization to use ICD-10 in its mortality and morbidity cases from World Health Organization (WHO).
- * Assigned as a director deputy of health sectors websites supervisor committee in Makkah region.



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August 26, 2003 – May 27, 2006

- * I had been granted a master degree in Speech-Language Pathology from San Jose State University in California, USA.

July 1, 2006 – July 15, 2007

- * I completed my clinical fellowship year in Speech-Language Pathology at the Center for Speech, Language, and Occupational Therapy incorporation.
- * I had been awarded the Certificate of Clinical Competence in Speech Language Pathology from American Speech-Language-Hearing Association.
- * I completed the advanced training course in FEES: A procedure for Oropharyngeal Dysphagia Evaluation and Therapy.
- * I had been certified as a VitalStim Therapy Provider.
- * During the CFY, I worked in one of adult day care centers with patients who had aphasia, disarticulation, voice problem, swallowing problem, and stuttering.

August 7, 2007 – October 30, 2008

- * Supervisor of the postgraduate, education, and research center at Alnoor Specialist Hospital, Makkah.

November 4, 2007 – October 30, 2008

- * Chairman of continuous medical education committee at Alnoor Specialist Hospital, Makkah
- * Chairman of Makkah region information technology council.

September 11, 2007 – January 27, 2009

- * Health Informatics General Supervisor in General Directorate Health Affair at Makkah Region.

January 20, 2007 – December 26, 2012

- * Medical speech and Swallowing disorders physician as a part time at both King Abdullah Medical City and Alnoor Specialist Hospital.

January 29, 2009 – December 26, 2012 (In addition to my clinical practice):

- * General Director Assistant in planning & development, and Health Informatics in General directorate health affair at Makkah region.

July 31, 2010 – July 31, 2011 (In addition to my clinical practice):

- * Healthcare Informatics Consultant in Ministry of Health
- * National eHealth/ICT Strategy Project advisor in Ministry of Health.

January 3, 2013 – January 3, 2014

- * Clinical Doctorate Resident in Medical speech and Swallowing disorders at University of Pittsburgh, Pennsylvania – USA

Skills:

- * I have an experience in using and applying computer technology in my medical practice.
- * I had designed the Medical or Health records according to the problem oriented medical record (P.O.M.R) system in Primary Health Care Training Clinics of Family Medicine graduate program as well as in some hospitals in Makkah region.



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- * I participated in the design of health information system in Alnoor hospital aim to a systematic collection of electronic health information about the patients to improve the quality of provided health care services, medical research, and education.
- * I established the medical record electronic archiving system in Maternity & Children hospital. The goal was to analyze, manage, and utilize the information that is essential to patient care and making sure the providers can access the information when necessary.
- * I am capable in applying clinical pathways based on evidence.
- * I had designed Clinical program software by MS Access application under windows (Computerized based patients record); I am using this program in my clinic.
- * I designed a personal website www.hani-shaker.com, which is about Medical Speech & Swallowing Disorders.

Training courses:

- 1) Participation in Quality Assurance course for trainers in PHC in the period July 2-4, 1996.
- 2) Participation in Hajj season common diseases and Intensive care cases course in the period Feb 6-16, 1999. In King Faisal Hospital in Makkah.
- 3) Assigned as organizer and participant in the Research methodology course held in Crown plaza - Jeddah from May 31- June 6, 2000.
- 4) Attending training courses in Oracle/SQL for 30 hours and Oracle developer2000 for other 30 hours in the period September 9-28, 2000, Jeddah, Saudi Arabia.
- 5) Participation as a coordinator and lecturer in introductory course in ICD-10, which held on May 17, 2003 in Alnoor Specialist Hospital.
- 6) Attendance and participation in SCERTS implementation training; determining educational objectives and education programming for children with Autism Spectrum Disorders, which held on June 23-24, 2006 in Monterey city, California.
- 7) Attending and completing FEES: A procedure for Evaluating Oropharyngeal Dysphagia, which held on July 13-14, 2006 at UCSF Mount Zion Medical Center, Department of Otolaryngeal Voice and Swallowing Center, San Francisco, California.
- 8) Certificate of completion Fluency Master Clinician Training course. Provided by National Association for Speech Fluency, NY, USA on September 29, 2006
- 9) Attending and completing FEES: A procedure for Evaluating Oropharyngeal Dysphagia, which held on October 5-7, 2006 at UCSF Mount Zion Medical Center, Department of Otolaryngeal Voice and Swallowing Center, San Francisco, California.
- 10) Completed certification as a VitalStim Therapy Provider, which held on March 24-25, 2007 at San Francisco, California.
- 11) Attending a study and review course of Certified Professional in Healthcare Quality (CPHQ) in the period June 7-18, 2008.
- 12) Attending and participating in workshop and training course of the Principles and planning methods for the man power requirements, this held on April 24-28, 2010 at Tulip Inn Hotel, Riyadh, Saudi Arabia.



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- 13) Attending activity entitled “The 4th Training Forum for Development of Human Resources in the Health Field, which held on May 09-10, 2011 at Makkah Grand Coral Hotel, Makkah, Saudi Arabia.
- 14) Participant as a speaker in ENT Basic Course, which held on October 01-26, 2011 at King Fahad Medical Research Center, Jeddah, Saudia Arabia.
- 15) Participant as a speaker in Critical Thinking Course, which held on January 10, 2012 at Alnoor Specialist Hospital, Makkah city, Saudi Arabia.
- 16) Attending activity entitled “The 5th Training Forum in the Health Field”, which held on February 27-28, 2012 at Makkah Grand Coral Hotel, Saudi Arabia
- 17) Attending workshop entitled "Statistical Methods in Health Services Research", which held on September 1-3, 2012 at Makkah Grand Coral Hotel, Saudi Arabia

Conference, Workshop participation and attendance:

- 1) Diabetic diseases symposium in Ohod hospital in Al-Madinah in the period Jan 7, 1992.
- 2) Symposium for Family & Community Medicine graduation program in Almadinah in the period 30 March – April 1, 1993
- 3) Saudia American Symposium for Surgery & Pediatrics in Jeddah & Madinah National Hospitals in the period April 9-14, 1994.
- 4) Attendance in Prevention and treatment of chronic diseases symposium in period June 19-20, 1994.
- 5) Curative Services in PHC in AlKhubar in the period Oct. 25-26, 1994.
- 6) The second scientific conference of the Saudi Society of Family & Community Medicine in Almadinah in the period March 27-29, 1995
- 7) Improving the services method in PHC in Riyadh in the period June 1-2, 1996.
- 8) The Third scientific Conference of The Saudi Society of Family & Community Medicine in Riyadh in the period March 2-4, 1997.
- 9) Endocrinology update symposium in King Fahad Hospital in the period March 5-6, 1997
- 10) PHC and Hospitals are partners in introducing primary health care symposium in Almadinah in January 2, 1997
- 11) Attended in the first symposium on Clinical and Enteral feedings on May 20, 1998.
- 12) Participation in Early detection and Periodic health examination conference in period Feb 27, 1999.
- 13) Participation and Attendance the Ethics in Clinical & Biomedical Research in period May 30-31, 2000.
- 14) Attended the fifth scientific Conference of the Saudi Society of Family & Community Medicine in Jeddah in the period March 27-29, 2001
- 15) Attended and successfully completed the e-Health 2001 Conference & Exhibition, which held on May 5-8, 2001 in Jeddah.
- 16) Attendance and participation in 2005 53rd California Speech-Language Hearing Association annual state convention, which held on April 14-17, 2005 in Santa Clara, California.



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- 17) Attendance and participation in UCSF Voice Conference, which held on October 26-28, 2006 at Grand Hyatt San Francisco, California.
- 18) Attendance in Annual Hajj Health Symposium, which held on December 12, 2007 at Alnoor Specialist Hospital.
- 19) Attendance and participation in the 1st international course on Diagnosis & Management of Voice and Swallowing Disorders, which held on February 9-11, 2008 at King Khalid University Hospital, Riyadh, Saudia Arabia.
- 20) Attendance and Speaker in The 7th International Saudi ORL Society & the 8th International GCC ORL Society Conference, which held on March 2-5, 2009 at Jeddah Chamber of Commerce & Industry.
- 21) Attendance in Organized Director Workshop, which held on March 5, 2009 at Habitat Hotel, Jeddah, Saudia Arabia.
- 22) Attendance and speaker in the first annual Makkah course on basic acute stroke care, which was held on November 7-8, 2009 at King Abdullah Medical City, Makkah, Saudi Arabia.
- 23) Attendance in 1st Makkah Conference on Recent Advances on Radiology, which held on October 12-14, 2009 at Grand Coral Hotel, Makkah, Saudi Arabia.
- 24) Attendance and contribution as a chairman in the 2nd international conference of voice and swallowing Disorders, which held on January 16-18, 2010 at King Khalid University Hospital, Riyadh, Saudia Arabia.
- 25) Attendance in The Saudi eHealth Conference 2010 "Applied Health Informatics", which held on May 2-4, 2010 at King Faisal conference hall Riyadh Intercontinental Hotel, Riyadh – Saudia Arabia.
- 26) Attendance in Mass Gathering Medicine Conference "Implications and opportunities for global health security", which held on October 23-25, 2010 at Hilton Hotel, Jeddah, Saudia Arabia.
- 27) Attending in 2010 HIMSS Middle East Health IT Leadership Summit & Conference, which held on November 7-10, 2010 at Inter-Continental Hotel & Resorts Festival City, Dubai.
- 28) Attending in HIMSS 11 Annual Conference & Exhibition, which held on February 20 - 24, 2011 at the Orange County Convention Center in Orlando, Florida.
- 29) Contributing as a speaker in Hong Kong Community Healthcare and Healthcare Management Forum, which held on January 13-14, 2012 at Harbour Plaza 8 degree Hotel in Hong Kong.
- 30) Attending in the Fourth Conference of Voice & Swallowing Disorders (Updates in Phonosurgery), which was held on February 20-22, 2012 at King Khalid University Hospital, Riyadh, Saudia Arabia.
- 31) Attending lecture: Introduction to Advanced Otology and Skull Base Surgery, which was held on March 14th 2012 at King Abdullah Medical City, Makkah, Saudi Arabia.
- 32) Attendance and contribution as a speaker in Update in Pediatric Gastroenterology conference, which was held on November 24, 2016 at Maternity and Children hospital in Makkah, Saudi Arabia.



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Researches:

- Shaker, H. A., & Farooq, M. U. (2013). Computer literacy of physicians among the hospitals of Makkah region. *J Family Community Med*, 20(3), 173-178. doi: 10.4103/2230-8229.121998
- Shake, H. A., & Farooq, M. U. (2013). Computer literacy improvement needs: physicians' self assessment in the makkah region. *Oman Med J*, 28(6), 450-453. doi: 10.5001/omj.2013.125
- Shaker, H. A., & Farooq, M. U. (2012). Usability evaluation of paper-based "Hajji" Health Record format. *J Med Syst*, 36(2), 853-863. doi: 10.1007/s10916-010-9549-1
- Zaglool, D. A., Khodari, Y. A., Gazzaz, Z. J., Dhafar, K. O., **Shaker, H. A.**, & Farooq, M. U. (2011). Prevalence of Intestinal Parasites among Patients of Al-Noor Specialist Hospital, Makkah, Saudi Arabia. *Oman Med J*, 26(3), 182-185. doi: 10.5001/omj.2011.44
- Tashkandy, M.A., Gazzaz, Z.J., Dhafar, K.O., Maimini, O., **Shaker, H.A.**, Farooq, M.U. (2011). An audit of end-stage renal disease in a tertiary care hospital. *Archives of hellenic medicine*. ISSN 11-05-3992.



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