

# Rafat Mohtasib PhD; RDMS; RVT.

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## Positions

- ❖ June 2013- Now: **Assistant Professor at the Radiological & Imaging Sciences**, Master Program at Alfaisal University, Riyadh, Saudi Arabia. (Adjunct)
- ❖ June 2014 – Now: **Head Molecular and functional Imaging** at King Faisal Specialist Hospital, Riyadh, Saudi Arabia.
- ❖ Several times when the director is away: **Acting Director of the Centre for Autism Research** at King Faisal Specialist Hospital, Riyadh, Saudi Arabia.
- ❖ February 2012- June 2014: **Post-Doctoral Fellow, Molecular and Functional Imaging** at King Faisal Specialist Hospital, Riyadh, Saudi Arabia.
- ❖ April 2014- Now: **Consultant and Assistant Professor at the College of Applied Health Sciences (Radiology & Medical Imaging)** at the University of Prince Sattam Bin Abdulaziz, Alkharj, Saudi Arabia.
- ❖ March 2012- Now: **Adjunct Assistant Professor & Consultant** at the Program Committee Radiology College of Health Sciences and Rehabilitation Sciences at the University of Princess Noura Bint Abdulrahman, Riyadh, Saudi Arabia. (I have established a bachelor degree program in Ultrasound).
- ❖ August 2000-2008: **Senior Ultrasound Technologist/ Vascular Lab leader & Education coordinator** at King Faisal Specialist Hospital, Riyadh, Saudi Arabia.
- ❖ January 2003- August 2006: **Part-time Application Specialist with El Saif General Electric Co.** Riyadh, Saudi Arabia.
- ❖ October 1991- September 1995: **International Purchasing Representative** at Saudi Armco Shell Refinery Company, Jubail, Saudi Arabia.

## **Education**

- 2008- 2012: University of Liverpool, United Kingdom  
MPhil/PHD; Degree of Doctor in Philosophy (Medical Imaging).
- 2002- 2004: Charles Stuart University, Australia  
Master of Science in Diagnostic Medical Sonography.
- 1996–2000: George Washington University, USA.  
Bachelor of Science in Diagnostic Medical Sonography. Graduated *Summa Cum Laude*.  
**Distinguished Undergraduate Health Science School Honor Award.**

## **Accreditation and Licenses**

- Consultant (Non-Physician) Medical Imaging, Saudi Commission for Health Specialties.
- (RDMS) The American Registry of Diagnostic Medical Sonography since 2000.
- (RVT) Registered Vascular Technologist since 2000.

## **References**

- Dr. Belal Mofteh [BMofteh@kfshrc.edu.sa](mailto:BMofteh@kfshrc.edu.sa)
- Dr. Hamad Alsuhaibani [halsuhaibani@kfshrc.edu.sa](mailto:halsuhaibani@kfshrc.edu.sa)

## **Professional**

### **Memberships and Honors**

- Organization for Human Brain Mapping (OHBM).
- The International Society for Magnetic Resonance in Medicine (ISMRM).
- The Society of Diagnostic Medical Sonographers (ARDMS).
- The American Institute of Ultrasound in Medicine (AIUM).
- The Golden Key National Honor Society.

## **Researches & Publications**

### **Funded Projects (Principle investigator):**

1. Advanced magnetic resonance imaging (MRI) for patients with mild cognitive impairment (MCI) and patients with Alzheimer's disease (AD). (Reviewed by the American Association for the advancement of Science (AAAS) was highly recommended for funding from KACST). Fund amount SAR 1,972,500.
2. Anatomical & functional substrates in ASD. (In collaboration with the University of Leuven, Healthcare Belgium and the Center for Autism Research at KFSH&RC) (Funded BY SABIC). Fund amount SAR 2,000,000.
3. Functional MRI of infants & toddlers with autism (Funded BY KACST). Fund amount SAR 1,974,000.
4. Analysis of Neuroanatomic and Neurofunctional Substrates in Autism Spectrum Disorder (Funded BY KACST). Fund Amount 1,715,210.

### **Other Projects non-Funded:**

1. Assessment & Development of Functional Imaging Protocols in Epilepsy (Principle Investigator).
2. Establishing fMRI Protocol for Clinical Use: Comparisons of Different Language Paradigms in Arabic Speakers (Principle Investigator).
3. Normal Sonographic Dimensions of Spleen and kidney for Children in KFSH&RC (Principle Investigator).
4. Training Parent to Conduct Discrete Trial Teaching Strategy for their Children with Autism Spectrum Disorder (ASD) At Center For Autism Research (CFAR), Riyadh, Saudi Arabia (Principle Investigator).
5. The Reliability of shear-wave elastography in distinguishing between breast lesions (Principle Investigator).
6. Accuracy of Shoulder Ultrasound examination in the diagnosis of Rotator cuff pathologies, a single center retrospective study (Principle Investigator).
7. Novel and familiar faces discrimination in Acquired Prosopagnosia: combining behavioral and fMRI data (Co-investigator).
8. Using Pyramidal Training to Train Families in Saudi Arabia to Implement Guided Compliance (Co-investigator).
9. Advanced Magnetic Resonance Imaging (MRI): Multi Parametric Imaging For The Effect of fasting in Multiple Sclerosis (MS) (Co-

investigator).

10. Management of Budd-Chiari syndrome by trans-jegular intrahepatic portosystemic shunt (Co-investigator).
11. A rare case of iatrogenic pseudo-aneurysm of the left brachiocephalic vein following central venous catheterization treated with thrombin injection (Co-investigator).
12. Accuracy of Colonography in Determing Colon Disease in KFSH&RC (Co-investigator).
13. Prevalence of Menisci and Anterior Cruciate Ligament Tear among Athletes in Saudi Arabia: A Retrospective Assessment with MRI (Co-investigator).
14. Knowledge of Pregnant Women in Saudi Arabia Regarding Ultrasound Exam (Co-investigator).
15. The 2016 Saudi MRI Safety Survey (Co-investigator).
16. Use of Ultrasound Guidance for Central Venous Catheterization: A National Survey of Intensivists and Hospitalist in Saudi Arabia (Co-investigator).
17. Evaluation of Awareness on Hazard of Radiation, Protection, Radiological Education and Knowledge About Radiological Examinations: A Survey at Princess Nourah Bint Abdulrahman University, College of Health and Rehabilitation Sciences, Radiology Sciences Department (Co-investigator).

## **Publication:**

- Eid, Ahmad M., Aljaser, Sarah M., AlSaud, Anoud N., Asfahani, Sultana M., Alhaqbani, Ohoud A., **Mohtasib, Rafat S.**, Fryling, Mitch. (2017). Training Parents in Saudi Arabia to Implement Discrete Trial Teaching with their Children with Autism Spectrum Disorder. *Behavior Analysis in Practice*, 1-5. doi: 10.1007/s40617-016-0167-3
- Eid, Ahmad M., Alhaqbani, Ohoud A., Asfahani, Sultana M., Alaql, Mashail, AlSaud, Anoud N., **Mohtasib, Rafat S.**, . . . Fryling, Mitch J. (2017). Learning by Doing and Learning by Observing: Training Parents in Saudi Arabia to Implement the Natural Language Paradigm. *Journal of Developmental and Physical Disabilities*, 1-9. doi: 10.1007/s10882-017-

9544-2

**Mohtasib, R.S.**, Lumley, G., Goodwin, J.A., Emsley, H.C., Sluming, V. & Parkes, L.M. 2012. Calibrated fMRI during a cognitive Stroop task reveals reduced metabolic response with increasing age. *Neuroimage*. 16;59(2):1143-51.  
<http://www.ncbi.nlm.nih.gov/pubmed/2184364>

**Mohtasib RS**, Sluming V, Parkes LM “Calibrated fMRI during a cognitive Stroop task in the aging brain” ISMRM Stockholm [2010].

**Mohtasib RS**, Sluming V, Parkes LM “Calibrated fMRI: alteration in neurovascular coupling during a cognitive Stroop task in aging brain” HBM Barcelona [2010].

Cox DJ, **Mohtasib RS**, Montaldi D, Parkes LM “Increased resting state connectivity between left and right hemispheres with increasing age” ISMRM Stockholm [2010].

Parkes LM, Lumley G, **Mohtasib RS**, Emsley H, Goodwin JA “Calibrated fMRI reveals altered neurovascular coupling with age during a cognitive Stroop task” ISMRM Honolulu [2009].

SUBMITTED:

AlZahrani, A., Asiri, Y., **Mohtasib, RS.**, Rayes, Z., AlShalan, M. 2017  
"ACCURACY OF SHOULDER ULTRASOUND EXAMINATION FOR THE DIAGNOSIS OF ROTATOR CUFF PATHOLOGIES: A SINGLE CENTRE RETROSPECTIVE STUDY."  
**manuscript ID is JUM-2017-11-0949.**

**Major Funds**

**Approved Transformation fund for the Center of functional Neuroimaging (CfN) (SR. 15 million).**