Updated on 01/31/2015
Hussein A Rajab, MD, MSCR, CCD
Najran University
Endocrinologist, Lipidologist.
Assistant Professor
Department of Endocrinology, Diabetes, Metabolism
Harajab@nu.edu.sa
Abusultan_2000@yahoo.com

MEDICAL TRAINING

Fellowship: Endocrinology, Diabetes, Metabolism and Medical Genetics

- Medical University of South Carolina.
  - Charleston, SC.
  - July 2010–June 30Th, 2013

Residency: Internal Medicine

- Eastern Virginia Medical School.
  - Norfolk, VA.
  - July 2004, June 2006
- New York Methodist Hospital-Affiliated with Cornell University.
  - Brooklyn, NY.
  - July 2002- June 2004

Internship:

- King Faisal University Hospital.
  - Al- Khobar, Saudi Arabia.
  - 08/1997- 08/1998

EDUCATION

Masters of Science in Clinical Research (MSCR)

- Medical University of South Carolina.
  - Charleston, SC.
  - August 2011- May 2013

Bachelor of Medicine and Bachelor of Surgery (MBBS)

- King Saud University.
  - Saudi Arabia.
  - July 1991- July1997

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PROFESSIONAL EXPERIENCE

Endocrinology- Lipidology:

- **Najran University**
- Najran, SA
- January 1, 2014, current.

Endocrinology- Internal Medicine

- **Ralph H Johnson Veteran Medical Center**
- Charleston, SC.
- September 2013- Current

Internal Medicine- Hospital Medicine

- **Sentara Virginia Beach Hospital, First Health Medical Practice**
- Virginia Beach, VA
- September 06- June 2010

Internal Medicine- Outpatient Medicine

- **Family Medical Practitioners**
  - Virginia Beach, VA
  - February 2007- Feb 2008

Emergency Medicine

- **Al- Dammam Central Hospital**
  - Al- Dammam, Saudi Arabia
  - April 1999- April 2000

Primary Care Medicine

- **Al-khobar Primary Care Clinic, Ministry of Health**
  - Al- Khobar, Saudi Arabia
  - December 1998- March 1999

Emergency Medicine

- **Al-Mana General Hospital**
- Al-Khobar, Saudi Arabia
- September 1998-December 1998

CLINICAL SITES OF US MEDICAL TRAINING AND EXPERIENCE

Ralph H Johnson Veteran Medical Center, Charleston, SC. 7/2010- Current
Medical University of South Carolina (MUSC), Charleston, SC. 7/2010- 7/2013
Hollings Cancer Center- MUSC, Charleston, SC. 7/2010- 7/2013
Virginia Beach General Hospital, Virginia Beach, VA. 7/2006- 7/2010
Eastern Virginia Medical School (EVMS), Norfolk, VA. 7/2004-6/2006
Sentara Norfolk Hospital, Norfolk, VA. 7/2004-7/2006
Hampton Veteran Medical Center. Hampton, VA. 7/2004-6/2006
Bon Secours DePaul Medical Center, Norfolk, VA. 7/2004-6/2006
National Institute of Health (NIH), Bethesda, MD. 09/2005-10/2005
Memorial Sloan Kettering Cancer Center (MSK), NYC, NY. 7/2002-6/2004
New York Methodist Hospital, Brooklyn, NY. 7/2002-6/2004

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CERTIFICATION/ LICENSURE

Saudi Council Registration, (2014- current)
*American Board of **Endocrinology, Diabetes and Metabolism**, (2012) **Active***
*American Board of **Lipidology**, (2013) **Active***
*American Board of Internal Medicine, (2006) **Active***
*Certified Clinical Densitometrist, (2013) **Active***
Endocrine Nuclear Medicine License and Certification, *(2013) **Active***
*South Carolina Medical License, (2010) **Active***
*Commonwealth of Virginia Medical License, (2006) **Active***
*Drug Enforcement Administration, (2006) **Active***
*Educational Commission for Foreign Medical Graduates, (2001) **Active***
*United States Medical Licensing Examination, **Active***
*The Saudi Licensing Exam, (1998) **Active***

EXAMINATIONS

Clinical Skills Assessment: July 2001
United States Medical Licensing Examination Step 1: August 2000
United States Medical Licensing Examination Step 2: May 2001
United States Medical Licensing Examination Step 3: December 2001

- Passed Licensing exams on first attempts with high scores.
- Passed Step 3 exam before the beginning of residency training.

PROFESSIONAL SOCIETIES

American College of Physicians Member-- ***Current***
American Medical Association Member--***Current***
American Association of Clinical Endocrinologist-- ***Current***
The American Endocrine Society--***Current***
Endocrine Fellows Foundation-- ***Current***
American Diabetes Association-- ***Current***
American Thyroid Association-- ***Current***
*National Lipid Association—**Current***
*The Pituitary Society-- **Current***
*The International Society for Clinical Densitometry—**Current***
*American Association of Bone and Mineral Research- **Current***
American Society of Obesity Medicine- **Current**

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RESEARCH EXPERIENCE

Basic Science Research: **The effect of modified LDL on expression and secretion of MMP-1, MMP-9 and TIMP-1 in Human macrophages**

- Mentor: Maria Virella-Lopes, MD, PhD
- Affiliation: Medical University of South Carolina
- 7/2012-6/2013

Have learned different lab techniques, e.g., cell culture, lipid lowery, LDL modification, and preparation of LDL immune complex, TBARS ASSAY, ELISA,
RNA isolation, cDNA formation, and PCR. Currently investigating the effect of modified LDL and modified LDL IC in atherosclerosis.

Master of Sciences in Clinical Research

- Mentor: Louis Luttrell, MD, PhD
- Affiliation: Medical University of South Carolina
- 7-2011-5/2013

Studying biostatistics, clinical trials, industry of clinical research, community engagement, critical review, regression, ethics, epidemiology, leadership in health organization, grant development writing, data management, and regression for rehab, SAS and comparative effectiveness.

- *Degree Project Title*: "Effect of DHEA on Bone Mineral Density in Trans-Menopausal Women"

Clinical Research: Pre Dialysis BNP and correlation with Dry Weight in HD patients (Published)

- Mentor: Mark Flemmer, MD
- Affiliation: Eastern Virginia Medical School
- 01/2005-06/2006

Future Research Projects

- Correlations between Growth Hormone Level in Pregnant Women and Carpal Tunnel Syndrome
- Effect of Cinnamon on Diabetes Mellitus
- Correlation between Burnout among Resident Physicians and serum Cortisol Levels
- Effect of Hyponatremia on Bone Mineral Density

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SELECTIVE COURSES and ANNUAL MEETINGS 7/2010-CURRENT

- American Association of Clinical Endocrinologist (AACE). San Diego, CA. 04/2011
- Thyroid US Course, AACE Meeting. San Diego, CA. 04/2011
- American Association of Clinical Endocrinologist, (AACE). Philadelphia, PA, 05/2012
- AACE Carolinas Chapter. Hilton Head, SC. 08/2012
- Endocrine Board Review-Endocrine Society. Miami, FL. 09/2012
- Clinical Endocrinology Update- Endocrine Society. Miami, FL. 09/2012
- Advance Thyroid US Course- Endocrine Society. Miami, FL, 9/2012
- American Thyroid Association (ATA) Annual Meeting. Quebec City, Canada, 09/2012
- Annual Endocrine Fellows Conference (EFC), ATA Meeting. Quebec City, Canada 09/2012
- Thyroid US and UGFNA Workshop- ATA Meeting. Quebec City, Canada 09/2012
- Advances in Thyroid Cancer Diagnosis and Therapy. Phoenix, AZ, 01/2013
- Lipid Academy Course- National Lipid Association (NLA). New Orleans, LA, 02/2013
- Clinical Lipid Update- National Lipid Association (NLA). New Orleans, LA, 02/2013
- Endocrine University Annual Meeting-Mayo Clinic. Rochester, MA, 03/2013
- AACE diagnostic Endocrine Neck US and UGFNA Course-Mayo Clinic. Rochester, 03/2013
- Bone Mass Measurement Certification-Mayo Clinic. Rochester, MN 03/2013
- Intensive Insulin Management and Technology- Mayo Clinic, Rochester, MN 03/0213
- Endocrine Laboratory and Genetic Testing- Mayo Clinic, Rochester, MN 03/2013
- American Association of Clinical Endocrinologist. Phoenix, AZ, 05/2013
- Translation of HDL Science Master Class- NLA. Las Vegas, NV, 05/2013
- National Lipid Association Annual Meeting. Las Vegas, NV, 05/2013
- The Early Career Forum- Endocrine Society meeting, San Francisco, CA 06/14/2013
- The Endocrine Society Annual Meeting- San Francisco, CA 06-2013
- Endocrine Nuclear Medicine Certification Course and Exam, Kansas, MO 08/2013
- American Thyroid Association Annual Meeting. San Juan, Puerto Rico. 10/ 2013.
- American Society for Bone and Mineral Research Annual Meeting. Baltimore, MD 10/2013
- Endocrine Bridge annual Meeting, Antalya, Turkey, October 2014.

SELECTIVE EDUCATIONAL ACTIVITIES 7/2010-CURRENT

- Grand Round: Pituitary Tumor Apoplexy, 2/2011
- Journal Club: DHEA, Myth or Reality, 5/2011
- Grand Round: Hormone Abuse among Athletes, 7/2011
- Journal Club: Aliskiren and valsartan in stage 2 hypertension, 11/2011
- Grand Round: Sugar and Spices: The Effect of Cinnamon on Type 2 DM, 8/2012
- Journal Club: Atherosclerosis: Effect of Modified LDL on Atherosclerotic Plaque, 11/2012
- Grand Round: Endocrine Fellow Guide: Online Tool for Endocrine Fellows, 12/2012
- Journal Club: FNA of thyroid nodule: " Indeterminate FNA", clinical decision, cost
- effectiveness in current practice vs. new diagnostic technology, 01/2013
- Grand Round: Effect of Hyponatremia on Bone Mineral Density, 6/2013
- Fasting with Diabetes in Ramadan, 6/2014
- Update on Diabetes Management, 9/2014

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AWARDS

Second Place in the fellowship poster competition, Carolinas Chapter/ American Association of Clinical Endocrinologists, 2012 Annual Meeting.
1st Place, 25th annual Senior Research Day, Eastern Virginia Medical School (June 2006)—winner of all peer residents' projects; included 2 years of research.
Best Teaching Resident of the Year, New York Methodist Hospital, selected among 98 residents. (2002-2003).
Best Intern of the Month, New York Methodist Hospital, Selected among 51 interns (September 2002).

PUBLICATIONS, PRESENTATIONS, AND POSTER SESSIONS

Hussein A Rajab, Nathaniel L Baker, Kelly J Hunt, Richard Klein, Patricia A Cleary, John Lachin, Gabriel Virella, Maria F Lopes-Virella,
The predictive role of markers of Inflammation and endothelial dysfunction on the course of diabetic retinopathy in type 1 diabetes.
Journal: J Diabetes Complications 2015 Jan-Feb; 29 (1):108-14.
Flemmer, M, **Rajab, H,** Mathena, T, Paulson, J, Perkins, S, Whelan, T, Chiu, R, McCullough, P, Blood B-Type Natriuretic Peptide and Dialysis: Present Assessment and Future Analyses Southern Medical Journal: November 2008 - Volume 101 - Issue 11 - pp 1094-1100.
Rajab, H; Luttrell, L. Abstract presentation at the American Society for Bone and Mineral Research"
Hyponatremia is associated with higher odds for fracture in hospitalized patient" Baltimore, Maryland, October 2013.
Rajab, H; Luttrell, L. Abstract presentation at the American Thyroid Association "Atypical Presentation of Thyrotoxicosis: Severe Hypercalcemia, Severe Hypomagnesemia and Microcytic Anemia. "San Juan, Puerto Rico, October 2013.
Rajab, H; Soule, J. Pituitary Tumor Apoplexy, case report, clinical notes, and a brief articles review. Submitted to endocrine practice, April 2013.
Rajab, H; Hull, P. Abstract presentation at the American Thyroid Association" Successful treatment of severe thyroid storm with plasmapharesis." Quebec City, Canada, 2012.
Rajab, H; Kwon, S. Abstract presentation at the American Association of Clinical Endocrinologist" *Transient Diabetes Insipidus in the Guillain-Barre Syndrome."* Philadelphia, 2012.
Rajab, H; Soule, J. Abstract presentation at the American Association of Clinical Endocrinologist: "Spontaneous regression of pituitary microadenoma after pituitary apoplexy" San Diego, 2011.
Rajab, H; Castaldo, D. Abstract presentation at the American College of Physicians Meeting: "Anemia Caused by Parvovirus in AIDS patient" Norfolk, VA 2005.

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TEACHING EXPERIENCE

Internal Medicine 1, 1st semester 2014
Internal Medicine 2, 1st semester, 2014
Endocrinology Block, 1sst semester, 2014

- 2014- Current
- Najran University

Physical Diagnosis- Fundamentals of Patient's Care: **2nd year Medical Students**.

- 2011-2013
- Medical University of South Carolina - Charleston, USA.

Evidence Based Medicine- 2nd year Medical Students.

- Spring Semester-2011.
- Medical University of South Carolina - Charleston, USA.

Clinical Reasoning- 1st Year Medical Students.

- Fall Semester-2010.
- Medical University of South Carolina - Charleston, USA.

Medical Ethics: 3rd year Medical Students.

- Fall Semester-2010
- Medical University of South Carolina - Charleston, USA.

Preceptor

- Medical residents and students during residency and fellowship.

COMMUNITY SERVICE

Diabetes Initiative of South Carolina (DSC), Columbia- SC 2012
• Screening and Lobbying for Members of SC Legislature
Diabetes Initiative of South Carolina (DSC), Columbia- SC 2011
• Screening and Lobbying for Members of SC Legislature
Camp Adam Fisher Diabetes Camp, Summerton-SC 2011

- An annual summer camp for children with type 1 DM.

SOFTWARE EXPERTISE

Statistical: SAS, SAS Enterprise, InStat
Presentation: Posters and Web Design
Research: Microsoft Excel, Microsoft Access

HOBBIES

Soccer, Running, Travel, Gardening, Landscaping and Interior Design

LANGUAGE PROFICIENCY

English and Arabic