

## CURRICULUM VITAE AND BIBLIOGRAPHY

Date: August 30, 2018

**NAME:** Mina F. Hanna, MBBCH, M.Sc., DABR

**PRESENT TITLE:**

Assistant Professor

Department of Diagnostic and Interventional Radiology  
McGovern Medical School at UT Health, Houston, TX

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**GRADUATE EDUCATION:**

Medical School & Clinical Internship  
University of Alexandria, Egypt  
1996 – 2004

**POSTGRADUATE EDUCATION AND TRAINING:**

Diagnostic Radiology Residency  
University of Alexandria, Egypt  
2005 – 2008

Neuroradiology Fellowship  
UTSW Medical Center, Dallas, TX  
7/2011– 6/2012

Musculoskeletal imaging Fellowship  
UTSW Medical Center, Dallas, TX  
7/2012– 6/2013

Cardiothoracic Imaging Fellowship  
UTSW Medical Center, Dallas, TX  
7/2013– 6/2014

Body MR Imaging Fellowship  
UTSW Medical Center, Dallas, TX  
7/2014– 6/2015

Cardiothoracic Imaging Fellowship  
UTSW Medical Center, Dallas, TX  
7/2015– 6/2016

**ACADEMIC APPOINTMENTS:**

Assistant Professor  
Department of Diagnostic and Interventional Radiology  
McGovern Medical School at UT Health  
Houston, TX  
07/2016 – Present

Assistant Instructor (Clinical Fellow)  
Department of Diagnostic and Interventional Radiology,  
UT Southwestern Medical Center, Dallas, TX  
07/2011 – 06/2016

**HOSPITAL APPOINTMENTS:**

Alexandria University Hospitals, Alexandria, Egypt  
2004 – 2008

Clements University Hospital and Parkland Memorial Hospital, Dallas, TX  
07/2011 – 06/2016

Memorial Hermann Hospital  
Houston, TX  
07/2016 – Present

Lyndon B. Johnson General Hospital  
Houston, TX  
07/2016 - present

**LICENSURE:**

Medical Syndicate of Egypt    2004 – Present  
Texas Medical Board, USA    06/ 2015 – Present

**CERTIFICATION:**

ECFMG Certification  
October 2010

American Board of Radiology  
October 2015

**PROFESSIONAL ORGANIZATIONS (AND COMMITTEES OF THESE):**Regional

Texas Radiologic Society (TRS)  
2011-present

National

American College of Radiology (ACR) member  
2011-present

Radiological Society of North America (RSNA) member  
2011-present

American Roentgen Ray Society (ARRS) member  
2011-present

Society of Thoracic Radiology (STR) member  
2015 -present

North American Society of Cardiac Imaging (NASCI) member  
2017 -present

International

Medical Syndicate of Egypt  
2004-present

**HONORS AND AWARDS:**

Third place poster award for the poster presentation **“Update on cardiac MR Imaging of Muscular Dystrophies”**, Presented at the Society of Computed Body Tomography and MRI (SCBT-MR) September 2016.

The Certificate of Merit award for my Educational Exhibit **“The Spring in Your Step: High Resolution 3T MRI of the Spring Ligament”**, Presented at Radiology Society of North America (RSNA) annual meeting 2013.

Certificate of Appreciation for my overall performance during medical school with General Grade "Very Good with honor degree", April 2003. Alexandria, Egypt.

### **EDITORIAL POSITIONS:**

Associate Editor: Clinical radiology and imaging journal (CRIJ) (2017)

- Case report: Imaging of Langerhans Cell Histiocytosis in an Adult

Reviewer: Medicine Journal (2017)

- Manuscript review for original article “Detection of Incidental Cardiac Findings in Non-cardiac Chest Computed Tomography”
- Case report review: “Left sinus of Valsalva aneurysm ruptured into left ventricle: A case report of 320-multidetector CT findings”
- Manuscript review for original article “Assessment of pulmonary arterial enhancement in CT pulmonary angiography using leg vein for contrast media administration”
- Manuscript review for original article “Assessment of Radiation Safety in Cardiac CT Angiography”

### **SERVICE ON QUALITY IMPROVEMENT COMMITTEE**

CT committee held the first Wednesday of every month for evaluation and quality improvement of the CT related issues at TMC Memorial Herman Hospital.

### **LECTURES AND GRAND ROUNDS INSTRUCTED**

- **Medical students radiology lectures:**
  - **Imaging of obstructive lung diseases and lung masses (April 6<sup>th</sup>, 2017) for the first year MS.**
- **Radiology residents daily conference, audience of 40 – 50:**
  - **Coronary CTA technique (August 4<sup>th</sup>, 2016)**

- **Post Lung Transplant Imaging (November 14<sup>th</sup>, 2016)**
- **Imaging of cardiomyopathy 1 (December 1<sup>st</sup>,2016)**
- **Imaging of cardiomyopathy 2 (March 9<sup>th</sup>,2017)**
- **Imaging of cardiomyopathy 3 (June 2017)**
- **Imaging of coronary artery disease 1 (August 3<sup>rd</sup>,2017)**
- **Imaging of the valvular heart disease (August 24<sup>th</sup>, 2017 and August 3<sup>rd</sup>, 2018)**
- **Imaging of coronary artery disease 2 (September 7<sup>th</sup>,2017)**
  
- **First year radiology residents fundamentals (every Wednesday):**
- **Pulmonary infection (February 8<sup>th</sup>, 2017 and February 14<sup>th</sup>, 2018)**
  
- **Cardiothoracic imaging residents and fellows' weekly case review conference (every Thursday, 1-2 pm), audience of 2 – 4: (July 14, 2016; September 29, 2016; October 27, 2016; December 15, 2016; March 30, 2017)**
  
- **Pulmonology fellows monthly conference (every 4<sup>th</sup> Tuesday), audience of 10 – 20:**
- **Case review (October 18,2016)**
- **Post lung transplant imaging (February 28, 2017)**
- **Imaging of the mediastinum (March 2018)**

#### **CURRENT TEACHING RESPONSIBILITIES:**

- Instruction of medical students, residents and fellows, as well as resident supervision.
- Coordinate a monthly cardiology/radiology conference which is held the first Thursday of every month.

- Mentoring the residents course of “Critical thinking skills” and the residents monthly Journal Clubs
- Facilitating the monthly journal club for the chest division, Radiology department, UTHSC Houston presented by the cardiothoracic imaging fellows

## RESEARCH PROJECTS AND PUBLICATIONS

**1. Atherosclerosis on CTA predicts acute kidney injury following Transcatheter Aortic Valve Replacement (TAVR).**

*Kandathil A, Hanna M, Merchant A, Wehrmann L, Minhajuddin A, Fox A, Abaara S.*

*Accepted for publication in the American Journal of Radiology (AJR)*

**2. Cross sectional imaging of sinus of Valsalva aneurysms: lessons learned.**

*M Hanna, N Malguria, S S Saboo, K Jordan, M Landay, B B Ghoshhajra and S Abbara.*

*Published: Journal of Diagnostic and Interventional Radiology 2017; 23:339–346*

**3. Juvenile Nasopharyngeal Angiofibroma: Review of Imaging Findings and Endovascular Preoperative Embolization Strategies.**

*Published: M. Hanna, P.S. Batra, and G.L. Pride, Jr., Neurographics 4:20–32 March 2014 [www.neurographics.com](http://www.neurographics.com)*

**4. Giant Aneurysm of the Right Atrial Appendage.**

Christopher D. Maroules, MD; Mina Hanna, MD; Nagina Malguria, MD and Suhny Abbara, MD

**Case of the month in the "Society of Cardiovascular Computed Tomography" on-line web site July 2014.**

**5. “Magnetic Resonance Imaging appearance of the bone marrow changes in chronic anemic patients”** was submitted to: *Prof. Dr. Ali Abd El Kerim Farahat, Prof. Dr. Hesham Taha Kotb and Prof. Dr. Shahera Salah El Deen Barakat*, for partial fulfillment of my master degree in radiodiagnosis. Accepted March 2008.

**6. "Premature knee osteoarthritis in obese patients - Deep medial collateral**

ligament (dMCL) failure is a primary cause". *Weatherall PT, Hanna MF, Kelley BD*.PUBLICATIONS:

#### ONGOING RESEARCH:

Co-Invistigator:

1. **Comparison of Aortic Annular Sizing by Multislice Computed Tomography versus Transesophageal Echocardiography for Trans catheter Aortic Valve Replacement**

PI: Igor Gregoric, MD

2. **Advanced lung cancer inflammation index (ALI) as a prognostic marker for check point inhibitors: A retrospective review (Protocol No. R-18-101)**

PI: Seyd Jafri, MD

#### NATIONAL MEETINGS ABSTRACTS AND PRESENTATIONS:

1. Hanna M, Saboo S, Rajiah P, Malguria N, Salama V, Abbara S. "Update on cardiac MR Imaging of Muscular Dystrophies". Poster presentation will be presented at the North American Society of Cardiac Imaging (NASCI) September 2018.

2. Jain S., Restrepo C., Hanna M., Au J., Ocazonez D. Imaging of the Tricuspid Valve: Understanding Congenital and Acquired Abnormalities. Educational Exhibit presented at ARRS meeting April 2018

3. Hanna M., Ferguson E., Ocazonez D., Au J., A. Oldham S.

Cardiac incidental findings in the non-ECG gated chest CT: Various categories and clinical significance. Educational Exhibit presented at STR meeting March 2018

4. Kandathil A, Hanna M, Merchant A, Wehrmann L, Minhajuddin A, Fox A, Abaara S. "Association Between Single-slice Area-based Measurements of Abdominal Visceral and Subcutaneous Adipose Tissue with Post Procedure Acute Kidney Injury in Patients Undergoing Transcatheter Aortic Valve Replacement (TAVR)". Scientific poster will be presented at the Society of

**Cardiac CT July 2017.**

5. **Kandathil A, Hanna M, Merchant A, Wehrmann L, Minhajuddin A, Fox A, Abbara S. " CTA Derived Predictors of Post Procedure Transcatheter Aortic Valve Replacement (TAVR) Acute Kidney Injury ". Scientific poster will be presented at the Society of Cardiac CT July 2017.**
6. **Hanna M, Salama V, Saboo S, Oldham S. "Lung Atelectasis: Types, Mechanisms and Imaging Findings". Educational Exhibit will be presented at 4th World Congress of Thoracic Imaging meeting June 2017.**
7. **Ocazionez D, Nguyen T, Balan P, Au J, Vargas D, Hanna M, Kicska G. "Imaging assessment of post procedural complications after Trans-catheter Aortic Valve Replacement (TAVR)". Educational Exhibit will be presented at 4th World Congress of Thoracic Imaging meeting June 2017.**
8. **Hanna M, Saboo S, Rajiah P, Malguria N, Salama V, Abbara S. "Muscular Dystrophies: Role of the cardiac MRI in their management". Educational Exhibit presented at Radiology Society of North America (RSNA) annual meeting 2016.**
9. **Malguria N, Abbara S, Hanna M, Zimmerman S, Chu L, Fishman E. "Nonatherosclerotic Disease of Coronary Arteries: Developmental Basis, Imaging Appearance and Clinical Implications". Educational Exhibit presented at Radiology Society of North America (RSNA) annual meeting 2016.**
10. ***Malguria N, Hanna M, Lin C, Hussien A, Fishman E, Abbara S. "Not Quite Incidental: Adult Congenital Heart Disease Discovered on CT of the Chest". Educational Exhibit presented at Radiology Society of North America (RSNA) annual meeting 2016.***
11. **Hanna M, Saboo S, Rajiah P, Malguria N, Salama V, Abbara S. "Update on cardiac MR Imaging of Muscular Dystrophies". Poster presentation presented at the Society of Computed Body Tomography and MRI (SCBT-MR) 2016.**
12. **Hanna M, Saboo S, Malguria N, Landay M, Abbara S. "Cardiac and coronary artery aneurysms". Educational Exhibit presented at Society of Thoracic Radiology (STR) annual meeting 2016.**



13. Ahn R, Boothe E, Hanna M, Vasani V, Madan R, Selvarajan S, Abbara S, Saboo S. "Role of Imaging in Esophageal Emergencies". Educational Exhibit presented at Radiology Society of North America (RSNA) annual meeting 2015.
14. Hanna M, Malguria N, Jordan K, Ghoshhajra B, Abbara S. "The Many faces of Sinus of Valsalva Aneurysms". Educational Exhibit Presented at Radiology Society of North America (RSNA) annual meeting 2014. (It was solicited for Radiographics publication)
15. Weatherall PT, Hanna M, Kelley BD. "Premature knee osteoarthritis in obese patients - Deep medial collateral ligament (dMCL) failure is a primary cause". Oral presentation at Society of Skeletal Radiology (SSR) annual meeting 2014 by *Weatherall PT, M.D.*
16. Omar H, Hanna M, Cho G, Moore D, Chhabra A. "The Spring in Your Step: High Resolution 3T MRI of the Spring Ligament". Educational Exhibit Presented at Radiology Society of North America (RSNA) annual meeting 2013. (It received the Certificate of Merit award).
17. Hanna M, Pride L. "Juvenile Nasopharyngeal Angiofibroma (JNA): Review of Imaging Findings and Endovascular Preoperative Embolization Strategies". Educational Exhibit Presented at American Society of NeuroRadiology (ASNR), 50th annual meeting, April 2012 at NY. (It was solicited for Neurographics publication)
18. Patel R, Hanna M, Uhrbrock D "Review of post lumbar puncture headache (PLPHA)" Educational Exhibit Presented at American Society of Spine Society (ASSR) annual meeting 2012 at Miami, FL.

#### **BOOK CHAPTER:**

##### **"NEW APPROACH TO AORTIC DISEASE – VALVE TO AORTIC BIFURCATION"**

Chapter 19: Angio CT

*Prabhakar Rajiah, Asha Kandathil and Mina Fawzi Fahim Hanna*

**Published Date:** 6th November 2017

