ANOOP P. AYYAPPAN, MD, DABR

**1205 Cerrito Bonito Lane**

**El Paso, Texas, USA 79912**

**Tel: (01) 915 217 0909 Cell: (01) 915 543 1221**

**E-Mail:** [**dranoopayyappan@gmail.com**](mailto:dranoopayyappan@gmail.com)

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##### PROFESSIONAL EXPERIENCE

**TEXAS TECH HEALTH SCIENCE CENTER, TEXAS TECH UNIVERSITY** Sept 01, 2017 onwards

###### *Position*: Associate Professor of Radiology, Director of Breast Imaging,

###### Fellowship Director of Woman’s Imaging, Medical Director of Radiology (Transmountain campus)

El Paso, Texas, USA

**TEXAS TECH HEALTH SCIENCE CENTER, TEXAS TECH UNIVERSITY** Dec 01, 2009 – Aug 31, 2017

###### *Position*: Assistant Professor of Radiology, Director of Breast Imaging,

###### Co-director of Cardiac Imaging, Fellowship Director of Woman’s Imaging

El Paso, Texas, USA

**POSTGRADUATE TRAINING**

**THE UNIVERSITY HEALTH NETWORK, UNIVERSITY OF TORONTO** July 01, 2009-Nov 30, 2009

*Research Fellowship*: Research Fellow in Advanced Abdominal Imaging

*Preceptor*: Kartik S. Jhaveri, MD

Toronto, Ontario, Canada

**THE UNIVERSITY HEALTH NETWORK, UNIVERSITY OF TORONTO** July 01, 2008-June 30, 2009

###### *Clinical Fellowship*: Cardiac Imaging

Toronto, Ontario, Canada

**THE UNIVERSITY HEALTH NETWORK, UNIVERSITY OF TORONTO** July 01, 2007-June 30, 2008

###### *Clinical Fellowship*: Women’s Imaging

Toronto, Ontario, Canada

**THE OTTAWA HOSPITAL, UNIVERSITY OF OTTAWA** June 01, 2006-June 30, 2007

###### *Clinical Fellowship*: Thoracic Imaging

Ottawa, Ontario, Canada

**TRICHUR MEDICAL COLLEGE, UNIVERSITY OF CALICUT** Feb 09, 2000- Feb 08, 2003

###### *Residency*: Diagnostic Radiology

Trichur, Kerala, India

June 2019

**CLINICAL AND TEACHING EXPERIENCE OUTSIDE NORTH AMERICA**

**JUBILEE MISSION MEDICAL COLLEGE, UNIVERSITY OF CALICUT** Oct 19, 2005- May 17, 2006

###### *Position*: Assistant Professor of Radiology

Trichur, Kerala, India

**CHRISTIAN MEDICAL COLLEGE & HOSPITAL, DR MGR MEDICAL UNIVERSITY** Apr 2003- Sep 2005

###### *Position*: Radiology Lecturer (01/19/2004-09/15/2005)

###### Radiology Tutor (04/04/2003- 01/18/2004)

Vellore, Tamil Nadu, India

**TRICHUR MEDICAL COLLEGE, UNIVERSITY OF CALICUT** Feb 09, 2000- Feb 08, 2003

###### *Residency*: Diagnostic Radiology

Trichur, Kerala, India

**MEDICAL AND PRE MEDICAL EDUCATION**

**TRICHUR MEDICAL COLLEGE, UNIVERSITY OF CALICUT** Sept 1987- Feb 1994

*Degree*: MBBS (Medical Doctor)

Trichur, Kerala, India

**ST. THOMAS COLLEGE, UNIVERSITY OF CALICUT** June 1985- June 1987

*Degree*: PDC (pre degree course)

Trichur, Kerala, India

**AWARDS AND RECOGNITION**

**Outstanding performance in Faculty Development Course IX**, a thirty-week development program offered by Paul L. Foster School of Medicine, Texas Tech University, El Paso for academic physicians focusing on adult learning, effective teaching, evidence-based medicine, clinical research, career development and faculty mentoring September, 2010 - March, 2011

**Academic Faculty Teaching Award (2011-2012)**, presented annually by the radiology residents in appreciation of dedication and commitment to their medical education

**PUBLICATIONS IN PEER-REVIEWED JOURNALS**

Galván DC, **Ayyappan AP**,Bryan BA. [Regression of primary cardiac angiosarcoma and metastatic nodules following propranolol as a single agent treatment.](https://www.ncbi.nlm.nih.gov/pubmed/30460329) Oncoscience. 2018 Oct 11;5(9-10):264-268.

**Ayyappan AP**, Crystal P, Torabi A. Foley BJ, Fornage BD. Fat containing lesions of the breast: A pictorial essay. J Clin Ultrasound. 2013 Sep;41(7):424-33.

Figueroa-Casas JB, Brunner N, Dwivedi AK, **Ayyappan AP**. Accuracy of the chest radiograph to identify bilateral pulmonary infiltrates consistent with the diagnosis of Acute Respiratory Distress Syndrome using Computed Tomography as reference standard. J Crit Care. 2013 Aug;28(4):352-7.

Nahleh Z, Ebrahim V, Guerrero R, Gaur S, **Ayyappan A**, Padilla O. [Spindle cell carcinoma of the breast: A case report and discussion.](http://www.ncbi.nlm.nih.gov/pubmed/22460185) Breast Dis. 2013 Jan 1;34(2):81-6.

Jhaveri KS, Vlachou P, Guindi M, Fischer S, Khalili K, **Ayyappan AP**. Association of Hepatic Hemangiomatosis with Giant cavernous hemangioma in the adult population: prevalence, imaging appearances and relevance. Am J Roentgenol. 2011 Apr;196(4):809-15.

**Ayyappan AP**, Jhaveri KS, Haider MA. Radiological assessment of mesenteric and retroperitoneal cysts in adults: is there a role for chemical shift MR imaging? Clinical Imaging. 2011 Mar-Apr;35(2):127-32.

Diaz JR, Agriantonis DJ, Aguila J, Calleros JE **Ayyappan AP**. Spontaneous perirenal hemorrhage: what radiologists need to know. Emerg Radiol. 2011 Aug;18(4):329-34.

**Ayyappan AP**, Jhaveri KS. CT and MR imaging of hepatocellular carcinoma: an update. Expert Rev Anticancer Ther. 2010 April;10(4):507-19.

**Ayyappan AP**, Kulkarni S, Crystal P. Pregnancy-associated Breast Cancer: spectrum of imaging appearances. Br J Radiol. 2010 June;83(990):529-34.

Torres FS, Crean AM, Nguyen ET, Doyle DJ, Menezes R, **Ayyappan AP**, Abadi S, Paul NS. Abolition of Respiratory Motion Artifact in CT Coronary Angiography with Ultrafast Examinations: A Comparison Between 64-row and 320-row Multidetector Scanners. Can Assoc Radiol J. 2010 Feb;61(1):5-12.

Chatterjee P, Singh A, **Ayyappan A**, Nair A. Extra adrenal paraganglioma associated with duplication of inferior vena cava. J Radiol Case Rep. 2008;2(3):25-7.

**Ayyappan AP**, Souza CA, Seely JM, Matzinger FM, Peterson RA. Ultrathin Fine Needle Aspiration Biopsy of the lung using a transfissural approach. Does it increase the risk of pneumothorax? Am J Roentgenol. 2008 Dec;191(6):1725-9.

**Ayyappan AP**, Singh SE, Shah A. Mature cystic teratoma in the falciform ligament of the liver: an unusual cause of recurrent abdominal pain. J Postgrad Medicine. 2007;53(1):48-9.

**Ayyappan AP**, Thomas R, Kurian S, Christopher DJ, Cherian R. Multiple cavitating masses in a immunocompromised host with rheumatoid arthritis-related interstitial lung disease: an unusual expression of cytomegalovirus pneumonitis. Br J Radiol. 2006 Nov;79(947):e174-6.

George M, **Ayyappan AP**, Cherian RS, Kurien M. Tracheal paraganglioma: a rare vascular neoplasm. Am J Roentgenol. 2006 Aug;187(2):W231-232.

Mammen T, Shantha Kumari H, Gopi K, Lionel J, **Ayyappan AP**, Kekre A. Iatrogenic secondary post-partum hemorrhage: Apropos of two uncommon cases. Australas Radiol.2006 Aug;50(4):392-394.

Kuruvilla G, Job A, Mathew J, **Ayyappan AP**, Jacob M. Septate fungal invasion in masked mastoiditis: a diagnostic dilemma. J Laryngol Otol. 2006 Mar;120(3):250-252.

**Ayyappan AP**, Subathira, Govil S, Chacko A, Shanthly N. Primary lymph node gastrinoma in the jejunal mesentery: Will the riddle of their origin be ever solved? Indian J Gastroenterol. 2005;24(6):266-267.

**BOOK CHAPTER**

Seely JM, **Ayyappan AP**. Pleural effusion. In: Nestor L. Muller, C. Isabela S. Silva ed. Imaging of Chest, 1st ed. New York, NY: Saunders Elsevier, 2008:1336-1371

**ABSTRACTS/PRESENTATIONS**

Havey AN, Calleros-Macias JE, **Ayyappan AP**. Multidetector CT evaluation of sternal fractures and associated decelerational thoracic injuries. Poster presentation at American Society of Emergency Radiology (ASER) annual meeting 2014, Portland, USA. September 10-13, 2014

Foley B, Padilla O, **AyyappanAP**, Robinson AE. Uncommon male breast lesions: imaging findings with histopathologic correlation. Poster presentation at *Association of University Radiologists (AUR) annual meeting 2011*, San Antonio, USA. March 19-22, 2012

Gillihan L, Calleros JE, Chaudhary HM, Robinson AE, **Ayyappan AP**. Mediastinal and hilar lymph node metastases from infra diaphragmatic malignancies: Multidetector CT depiction of patterns of lymphadenopathy. Poster presentation at *RSNA annual meeting 2010*, Chicago, USA. November 28-December 03, 2010

Agriantonis DJ, Diaz JR, Aguila J, **Ayyappan AP**, Calleros JE. Spontaneous perinephric hemorrhage: etiology and spectrum of cross sectional imaging appearances. Poster presentation at *American Society of Emergency Radiology (ASER) annual meeting 2010*, Seattle, USA. August 11-14, 2010

Jhaveri KS, **Ayyappan AP**. “ Case of the day – Sclerosing Angiomatoid Nodular Transformation of the Spleen” Invited poster presentation at the *RSNA annual meeting 2009*, Chicago, USA. November 29-December 04, 2009

**Ayyappan AP**, Crean AM, Doyle DJ, Sparrow PJ, Menezes RJ, Torres FS, Abadi S, Paul NS. “Detection of complications of apical hypertrophic cardiomyopathy by cardiovascular MRI: comparison with electrocardiography, echocardiography and radionuclide myocardial perfusion.” Oral presentation at *the 2nd World Congress Thoracic imaging and diagnosis in chest disease* , Valencia, Spain. May 30-June 02, 2009

Abadi S, Crean AM, Torres FS, **Ayyappan AP**, Paul NS. “Takotsubo Cardiomyopathy: the role of diagnostic imaging.” Poster presentation at the *2nd World Congress Thoracic imaging and diagnosis in chest disease* , Valencia, Spain. May 30-June 02, 2009

**Ayyappan AP**, Kulkarni S, Crystal P. “Imaging in Pregnancy-Associated Breast Cancer: Radiological findings with pathological correlation.” Oral and poster presentation at the *American Roentgen Ray Society* Annual Meeting, Washington, DC, USA. April 13-18, 2008.

**Ayyappan AP**, Seely JM, Matzinger FR, Dennie CJ, Souza CA, Peterson RA, “Ultrathin Needle Aspiration Biopsy of the Lung for Upper Lobe Lesions Usings a Trans-fissural Approach: Incidence of Associated Pneumothorax.” Oral presentation at the *Society of Thoracic Radiology* Annual Meeting, Las Vegas, NV, USA. 2007.

**Ayyappan AP**, Souza CA, Dennie CJ, Astrope V, Matzinger FR, Peterson RA, Seely JM,. “Mosaic Attenuation on Thin-section CT of the Lung: An Algorithmic Diagnostic Approach.” Poster presentation at the *Society of* *Thoracic Radiology* Annual Meeting, Las Vegas, NV, USA. 2007.

Abdeen N**, Ayyappan AP**, Seely JM, Matzinger FR, Chow B, Dennie CJ. “Incidence of major and minor extracardiac findings in patients referred for cardiac MDCT.” Poster presentation at the *Society of Thoracic Radiology* Annual Meeting, Las Vegas, NV, USA. 2007.

**Ayyappan AP**, Seely JM, Matzinger FR. “Sentinel lymph node mapping in peripheral nonsmall cell lung cancer using MDCT.” Oral presentation at the *Lung Retreat,* Ottawa, Canada. 2006.

**Ayyappan AP** “The Acute Abdomen: Role of Computed Tomography.” Oral presentation at the National conference of *Christian Medical Association of India*, Mussorie,Uttaranchal, India. 2004.

**Ayyappan AP** “Unique Fingerprints of Crohn’s Disease.” Oral presentation at the *Annual Congress of* *Radiologists of Kerala* Trichur, Kerala,, India. 2003.

**AUR-AGFA RADIOLOGY MANAGEMENT PROGRAM PARTICIPATION**

I was selected to participate in the 2012 AUR-Agfa Radiology Management Program that occurred during the 60th Annual Meeting of the Association of University Radiologists (AUR) in San Antonio, Texas. This exclusive invitation is extended to only 30 candidates that were selected based on nominations or submitted applications. This two-day program focuses on various leadership and managements skills. The case-study methods range in topics from conflict resolution, negotiation and quality. Expert keynote speakers made this an informative and valuable opportunity.

**BOARD CERTIFICATION/LICENSURE**

Texas Medical Board, Full Medical License #Q6144 Oct 2015

*Expiration*: Nov 2020

Diplomate in American Board of Radiology Oct 2015

MD (Doctor of Medicine in Radiodiagnosis), University of Calicut, India July 2003

*Expiration*: Life time validity

Travancore Cochin Medical Council, India. Permanent Full Medical License July 1995

*Expiration*: Life time validity

**PROFESSIONAL SOCIETY AFFILIATIONS**

Radiological Society of North America (RSNA) 2010-present

*Member*

American Roentgen Ray Society (ARRS) 2008-present

*Member*

Indian Radiology and Imaging Association (IRIA) 2003-present

*Member*

Society of Breast Imaging (SBI) 2010-present

*Member*

Association of University Radiologists (AUR) 2012-present

*Member*