

CURRICULUM VITAE

Scott E. Cassar, M.D.

Reston Radiology Consultants, P.C.
1800 Town Center Drive, #115
Reston, Virginia 20190

EDUCATION:

7/2010 – 6/2011 MASSACHUSETTS GENERAL HOSPITAL
Fellowship – Abdominal Imaging
Boston, Massachusetts

7/2006 – 6/2010 UNIVERSITY OF ROCHESTER MEDICAL CENTER
Residency – Diagnostic Radiology
Chief Resident – 2008 - 2010
Rochester, New York

7/2005 – 6/2006 UNITY HEALTH SYSTEM
Affiliated with University of Rochester Medical Center
Internship – Internal Medicine
Rochester, New York

8/2001 – 5/2005 UNIVERSITY OF ROCHESTER SCHOOL OF MEDICINE
Doctor of Medicine, May 2005
Rochester, New York

9/1991 – 5/1996 MICHIGAN STATE UNIVERSITY
B.S. High Honors, Chemical Engineering – College of Engineering
B.S. High Honors, Biochemistry – College of Natural Science
East Lansing, Michigan

LICENSURE:

Virginia #0101249042
Massachusetts #242982

CERTIFICATION:

American Board of Radiology – Diagnostic Radiology, 2010

HONORS:

Chief Radiology Resident, 2008 – 2010
Excellence in Interventional Radiology Award, 2010
Graduate Medical Education Committee, 2008 – 2009
RSNA/ARRS Introduction to Research Scholar, 2007
Recipient of the Outstanding Intern Award, 2006
Offices for Medical Education Biological Sciences Award, 2002
Eli Lilly Chemical Engineering Competition Scholarship, 1995
Valedictorian – Holly High School, Holly, Michigan, 1991

PUBLICATIONS AND PRESENTATIONS:

Johnson N, **Cassar S**, Bhatt S, Dogra V. Fibrous Capsular Contracture of a Testicular Implant. *J Ultrasound Med* 2009; 28:263-265.

Cassar S, Bhatt S, Paltiel H, Dogra V. Role of Spectral Doppler in the Evaluation of Partial Testicular Torsion. *J Ultrasound Med* 2008; 27:1629-38.

Cassar S, Bhatt S, Paltiel H, Dogra V. Spectral Doppler Evaluation of the Testis: Pearls and Pitfalls. Education exhibit selected for CME Activity at RSNA 2008, Chicago, IL. 11/30 - 12/5/2008.

Cassar S, Basu A, Mikityansky I, Seo G, Meyers S, Monu J. Accuracy of Fast Spin-Echo MR Imaging in Diagnosis of Common Sports Injuries: The Knee. Oral Presentation at the Association of University Radiologists 55th Annual Conference, Denver, CO. 4/25/2007.

Mitra S, **Cassar S**, Niles D, Puskas J, Frelinger J, and Foster T. Photodynamic therapy mediates the oxygen-independent activation of hypoxia-unducible factor 1 α . *Molecular Cancer Therapeutics* 2006 5:3268-3274

Cassar S, Fishman D, McLennan I, Bloembergen S. Resin-fortified sugar-based vinyl emulsion copolymers and methods of preparing the same. United States Patent 6,355,734. (granted 3/2002); Australia 2000065138 (11/2005); Europe EP1204686 (11/2006).

Bloembergen S, McLennan I, **Cassar S**, Narayan R. Polymer Resins Designed for Environmental Sustainability. *Adhesives Age*, 2/1998.

LOCAL PRESENTATIONS:

Cassar S. Head & Neck Radiology, University of Rochester 1st year medical students, 11/2/2009.

Cassar S. ABR Practice Guidelines, Communication. URMCA Conf. 1/2009.

Cassar S, Burgener F. Pelvic Ring Fractures. URMCA Journal Club. 6/2008.

Cassar S, Dogra V. Testicular Torsion. URM C QA Conference 5/2008.

Cassar S. Skeletal Dysplasia. URM C Department of Radiology – Grand Rounds. 11/2007.

Toram S, **Cassar S**, Nautiyal A, Das V. Perils of Cutting an Endotracheal Tube and Overinflating the Cuff. URSMD Poster Session, 9/2005.

Ali S, Diassanayake R, **Cassar S**, Hessney J. Idiopathic Spontaneous Splenic Rupture. URSMD Poster Session, 9/2005.

Cassar S, Haymore J. Surgical Eye Expeditions (S.E.E.) International – Providing Surgical Eye Care in the Peruvian Amazon. URSMD Poster Session, 9/2004.

Cassar S, Mitra S, Foster T. PGE₂- and PDT-Induced Fluorescence of Hypoxia-Response-Element/GFP-Labeled EMT6 Cells. URSMD Poster Session, 9/2004.

WEB PUBLICATIONS:

URMC Interesting Case Collection

www.urmc.rochester.edu/radiology/education/materials/interesting_cases

Cassar S. Testicular Torsion. 6/2008.

Cassar S. Biliary Hamartoma. 4/2008.

Cassar S. Madura Foot. 3/2008.

Cassar S. Splenic Laceration Embolization. 2/2008.

Cassar S. Bile Leak at Ducts of Luschka. 1/2008.

Cassar S. Pseudoaneurysm. 11/2007.

Cassar S. Hemangioma. 10/2007.

URMC Neuroradiology Case of the Week.

www.urmc.rochester.edu/radiology/education/materials/neuroradiology_case

Cassar S. Tarlov Cyst. No 335, 2008.

Cassar S. Trigeminal Neuralgia. No 335, 2008.

Cassar S, Westesson PL. Vein of Galen Malformation. No 246, 2007.

Cassar S, Westesson PL. Cochlear Implant. No 220, 2007.

Cassar S, Westesson PL. Patient Parietal Foramina. No 219, 2007.

Cassar S, Westesson PL. Infant Skull Fracture. No 218, 2007.

Cassar S, Westesson PL. Cochlear Implant. No 220, 2007.

Cassar S, Malhotra A, Westesson PL. Thymic Cyst. No 186, 2006.

Cassar S, Farzanegan F, Westesson PL. Accessory Parotid. No 185, 2006.

Cassar S, Farzanegan F, Westesson PL. LeFort III Fracture. No 184, 2006.

RESEARCH EXPERIENCE:

- 7/2004 – 6/2009 UNIVERSITY OF ROCHESTER MEDICAL CENTER
Department of Imaging Sciences, Rochester, NY
- Isolated the most responsive Hypoxia-Response-Element-Green-Fluorescent-Protein-labeled EMT6 cancer murine cell line using PGE₂ and photodynamic therapy.
 - Injected murine cancer cells into mice and extracted resultant tumors to study drug pharmacokinetics in relation to the vascular and cell proliferation architecture.
- 5/2002 – 8/2002 UNIVERSITY OF ROCHESTER MEDICAL CENTER
Department of Hematology, Rochester, NY
- Studied the binding interaction between IL1-β and fibrinogen.
- 8/1996 – 8/2001 ECOSYNTHETIX, INC., Lansing, MI
Staff Engineer
- Discovered a solution to a material handling issue enabling the possibility of scale-up. Researched and found a catalyst that decreased the reaction time considerably and resulted in a higher conversion to product.
 - Designed a unique process to produce drum scale quantities of monomer and emulsion polymer on a pilot scale. Purchased and assembled the equipment; supervised electrical and mechanical support staff.
 - Directed the industrial scale manufacturing of the monomer and emulsion polymer.
 - Produced novel acrylic latex emulsions for use as environmentally friendly adhesives. Conducted biodegradation and compost studies.
 - Guest lecturer in an undergraduate level chemical engineering materials course on selected topics at Michigan State University. Wrote homework/exams, graded tests/papers, and held office hours/review sessions. Mentored students with honors projects.
 - Developed a new ink, US patent 6,355,734.
- 5/1994 – 8/1995 MICHIGAN STATE UNIVERSITY
College of Natural Science, East Lansing, MI
- Improved the existing procedure to recover radio-labeled CO₂ from compost.
 - Produced and concentrated ligninase from a cultured fungus.
 - Infected insects with a baculovirus and monitored their condition daily.

PROFESSIONAL EXPERIENCE:

Staff Radiologist, Reston Radiology Consultants
1800 Town Center Drive, #115
Reston, Virginia 20190
7/2011 – Present