

CURRICULUM VITAE

Vivek Sehgal, MD

PRESENT POSITION

November 2016 to Present: Staff Radiologist, Teleradiology Solutions, New Haven, CT

(NOTE: In November 2016, I signed the contract with Teleradiology Solutions. I will start reading cases only after I am credentialed at all the Hospitals affiliated with Teleradiology Solutions.)

OTHER POSITIONS

April 2011 to Present: Consultant Radiologist, MRI Centers of Michigan, Madison Heights, MI

2010 to Present: Consultant Radiologist, National Diagnostic Services, Novi, MI

2008 to Present: Director, Academic Imaging, LLC, Madison Heights, MI

PREVIOUS POSITIONS

June 2007 to December 2016: Consultant Radiologist, Bio- Magnetic Resonance, Inc., Madison Heights, MI

September 2007 to December 2010: Clinical Associate, The University of Chicago Medical Center, Chicago, IL

March 2006 to June 2009: Radiologist, Karmanos Cancer Center (At the Detroit Medical Center), Detroit, MI

February 2003 to February 2008: Radiologist, DMC Sinai-Grace Hospital, Detroit, MI

May 2002 to July 2010: Voluntary Faculty, Wayne State University, Detroit, MI

December 2000 to February 2008: Radiologist, DMC Harper University Hospital - Detroit Medical Center, Detroit, MI

July 1998 to June 2000: Assistant Professor, University of Chicago Medical Center, Chicago, IL

BOARD CERTIFICATION

American Board of Radiology – Diagnostic Radiology, November 1999

MEMBERSHIPS

Radiological Society of North America
International Society of Magnetic Resonance Imaging in Medicine
American College of Radiology

FELLOWSHIP

August 1996 to July 1998: Neuroradiology, University of Chicago Hospitals and Clinics, Chicago, IL

RESIDENCIES

August 1993 to July 1996: Diagnostic Radiology, University of Connecticut Health Center/ School of Medicine, Farmington, CT

July 1991 to June 1992: Neurology, Tufts Medical Center (New England Medical Center), Boston, MA

INTERNSHIP

June 1990 to June 1991: Internal Medicine, Henry Ford Hospital, Detroit, MI

MEDICAL EDUCATION

July 1982 to April 1988: M.B.B.S, University College of Medical Sciences - University of Delhi, Delhi, India

RESEARCH ASSISTANT

January 1989 to October 1989: Research Assistant to H. Blume, Chief of Neurosurgery, Beth Israel Hospital, Boston, MA

November 1989 to May 1990: Research Fellow in Division of Neuroscience under JR. Little, Chairman of Neurological Surgery, Cleveland Clinic Foundation, Cleveland, OH

July 1992 to July 1993: Residency trainee in Radiology, Guy's Hospital, London, United Kingdom

HONORS AND AWARDS

James W. Ryan Resident Teaching Award, June 2000
Paul Hodges Award, 1997: Competitive award for research in radiology

SERVICE

Reviewer of articles for JOURNAL of The Neurological Sciences, May 2001
Executive Council, ACR Resident, 1995-1996 Member Steering Committees
A³Cr², 1996 Education Committee Member, July 1995-June 1996

GRANTS

State of Michigan Technology Tri-Corridor—A National Center for Excellence in Magnetic Resonance Imaging. Co-Investigator, Direct Costs: \$2,042,311. September 1, 2005-August 31, 2008, 20% Salary Support.

HyperEye: Susceptibility Weighted Imaging-based Informatics Tools for Brain Tumor Studies, Sponsor: Michigan Economic Development Corporation. January 1, 2007-December 31, 2001, Total Costs: \$803,277, 5% effort. *Sehgal, V*, Co-Investigator, Dong, M, P.I.

PUBLICATIONS

1. Haacke EM, Filetti C, Gattu R, Al-Bashir A, Krithivasan S, Li M, Latif Z, Delproposto Z, *Sehgal V*, et.al. A New Algorithm for Quantifying Vascular Changes in Dynamic Contrast Enhanced Magnetic Resonance Imaging Independent of Absolute TI Values. *Magnetic Resonance in Medicine*. 2008.
2. Haacke EM, *Sehgal V*, Delproposto Z, Chaturvedi S, Latif, Z, Kido, D. Imaging Cerebral Amyloid Angiopathy with Susceptibility Weighted Imaging: A Case Report, AHNHR Accepted for publication in February 2007.
3. *Sehgal V*, Delproposto, Z, Haddar, D, Haacke EM, Sloan EE, Zamorano L, Barger J, Hu J, Xu YB, Prabhakaran, KP, Elangovan, IR, Neelavilli J, Reihencbac JR. Susceptibility Weighted Imaging to Visualize Blood Products and Improve Tumor Contrast in Study of Brain Masses. *JMRI* 2006;24; 41-51.
4. *Sehgal V*, Haacke EM, Delproposto Z, et. al. Susceptibility Weighted Imaging of Brain Masses. *J Magn Reson Imaging*. 2006 June; 24-41-51.
5. Sehgal V, Delproposto Z, Haacke EM, et. al. Clinical Applications of Neuroimaging with Susceptibility Weighted Imaging. *J Magn Reson Imaging*. 2005 October; 22 (4): 439-450.
6. Haddar D, Haacke EM, *Sehgal V*, Delproposto Z, et. al. Susceptibility Weighted Imaging: Theory and Applications. *J. Radiol*. 2004 November 2005 (11): 1901-8. Review
7. Hu J, Xu YB, Jiang Q, *Sehgal V*, Shen Y, Xuan Y, Xia, Y. Special Pattern of Total Creatine and Trimethyl Ammonium in Multiple Sclerosis. *Magnetic Resonance Imaging*. January 2004.

8. Khan, O, Shen Y, Caon C, Ching W, Sonenvirth E, Latif Z, **Sehgal V**, Hu J. Cerebral Axonal Recovery in Relapsing-Remitting Multiple Sclerosis Patients Treated with Glatiramer Acetate. *Multiple Sclerosis* 2003; (Suppl. 1):363
9. Perez-Arjona EA, Delproposto Z, **Sehgal V**, Fessler D. New Techniques in Cerebral Imaging. *Neurol. Res.* 2002;24 (Suppl 1): 17-26
10. Franca C, Levin D, **Sehgal V**, et. al. Use of Three-Dimensional Spiral CT Imaging for Staging and Surgical Planning of Head and Neck Cancer. *Journal of Digital Imaging*, Suppl. May 2000
11. Huddle D, Chaloupka J, **Sehgal V**. Clinically Aggressive Diffuse Capillary Telangiectasia of the Brainstem: A Clinical Radiologic-Pathologic Case Study. Published *AJNR* October 1999.
12. Fiebich M, Renger C, **Sehgal V**. Automatic Bone Segmentation Technique for CT Angiographic Studies. Published *JCAT*; 23:155-161, 1999.
13. Fiebich M, Renger C, **Sehgal V**, Strauss C, Hoffman KR, Hanson KM. (Editor) *Medical Imaging 1998; Image Processing*, Proc SPIE: 3338-1047-1051, 1998.
14. **Sehgal V**, Ramsey RG. *Radiologic Evaluation of Neurological Emergencies-Book Chapter for Emergent and Urgent Neurology*, 1998.

PRESENTATIONS

1. **Sehgal V**, Haacke EM. Grand Rounds Northwestern University, September 2006. *New Imaging Techniques in Trauma*.
2. **Sehgal V**. Brain Injury Association of Michigan, Lansing, Michigan, September 2006. *MRI in Brain and Spine Injury*.
3. Delproposto Z, **Sehgal V**, Chaturvedi S, Haacke EM. Using Susceptibility Weighted Imaging to Detect Cerebral Amyloid Angiopathy: A Case Report. Poster presentation at the European Society of Neuroradiology in Barcelona, Spain, September 2005
4. **Sehgal V**, et. al. *Imaging in Brain Trauma*, New York Academy of Behavioral Sciences, April 2005.
5. Amans M, Jiang Q, Xuan Y, Meeran HM, Zamorano L, Guthikonda M, Barger G, **Sehgal V**, Hu J. Enhance Detection of Glutamine (Gln) and Glutamate (Glu) and ¹H MRS Using Single Voxel Steam: Their Potential to Stage Brain Tumors. Wayne State University, Detroit, USA
6. Delproposto Z, **Sehgal V**, Haddar D, Haacke EM, Tong KA, Sloan AE, et. al. *Clinical Experience with Susceptibility Weighted Imaging*. Poster presentation at the American Society of Neuroradiology. Seattle, Washington, June 2004.

7. **Sehgal V**, Delproposto Z, Hu J, Juhasz C, Tong KA, et. al. Investigation of Neurovascular Abnormalities in Sturge Weber Syndrome using Susceptibility Weighted Imaging. Poster presentation at the American Society of Neuroradiology. Seattle, Washington, June 2004.
8. Delproposto Z, **Sehgal V**, Haacke EM, Haddar D, Sloan AE, Zamarano L, et. al. Susceptibility Weighted Imaging of Brain Masses. Poster presentation at the International Society of Magnetic Resonance in Medicine. Kyoto, Japan, May 2004.
9. **Sehgal V**, et. al. Imaging of Sturge Weber Syndrome, ISMRM. 2004
10. **Sehgal V**, et. al. Susceptibility Weighted Imaging in Brain Tumors, ISMRM. 2004
11. MRI Spectroscopy: Visiting Professor, University of Florida, 2004.
12. **Sehgal V**. Aggressive Behavior of Multiple Choroid Plexus Papillomas: Radiologic Pathologic Case Study. Presented ASNR 2000.
13. **Sehgal V**. Giant Traumatic Aneurysm—Spontaneous Thrombosis. Presented ASNR 2000.
14. **Sehgal V**, Nayak S, Ramsey RG, Byrd S. Practical MR Spectroscopy.
15. **Sehgal V**, Nayak S, Ramsey RG. The Role of Spectroscopy in Neurological Disease. Presented AUR 1998.
16. **Sehgal V**, Nayak S, Ramsey RG. Pitfalls of MR Spectroscopy. Presented RSNA 1997.
17. **Sehgal V**, Shah R, Wankmuller R, Huddle D, Ramsey RG. Cystic Lesions in the Brain—CT and MRI Imaging Features Along with Pathologic Correlation. Presented ARRS 1997.
18. **Sehgal V**, et. al. Unusual Presentation of Toxoplasmosis Crossing the Corpus Callosum. “Excerpta Extraordinare” Presented ASBR 1997.
19. **Sehgal V**, Kim D, Wankmuller R, Huddle D. Neurological Manifestation of Tuberculosis Revisited. Presented ASNR 1997.
20. Merrick P, **Sehgal V**, et. al. Intravenous Phenobarbital: A Safe Agent for Conscious Sedation. Presented ARRS 1996.
21. Chen H, **Sehgal V**, et. al. Limited CT of the Paranasal Sinuses: How Much Information is Lost. Presented ASNR 1996.
22. **Sehgal V**, et. al. Calcifications in the Breast: Radiologic Appearances and Pathologic Correlation. Presented A³CR² 1996.
23. Sehgal AD, Sogani S, **Sehgal V**. Surgical Management of Intracranial Hematomas. Presented 9th International Congress of Neurological Surgery. New Delhi, India 1998.
24. Sehgal AD, Sogani S, **Sehgal V**. Exteriorization of Chronic Subdural Hematomas with Follow-Up in Fifty Patients. Guest paper at the International Congress of Surgeons Meeting, San Francisco, California 1989.