

# CURRICULUM VITAE

## PERSONAL DATA

Kenneth Lee Weiss, M.D.  
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Miami, FL 33131  
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## EDUCATION

1977-1981 University of Michigan  
School of Medicine, Graduate M.D.

1973-1977 Harvard College  
B.A. General Studies cum laude

## POSTDOCTORAL TRAINING

1994-1995 The Medical College of Georgia  
2<sup>nd</sup> Year Fellowship/ Instructor: Neuroradiology

1985-1986 Ohio State University Hospitals  
Fellowship: MRI and Neuroradiology

1982-1985 Stanford University Medical Center  
Residency: Diagnostic Radiology

1981-1982 Saint Joseph Hospital  
Internship: Flexible-University of Michigan Affiliate

## CURRENT POSITIONS:

2015-current University of Miami Miller School of Medicine  
Professor of Radiology - Voluntary

2010-current Founder & CEO ABSIST LLC  
Patent Portfolio Strategy and Software Development  
Imaging Software e.g. mitigating wrong level spine surgery  
International Licensing Agreements – Siemens AG

## ACADEMIC APPOINTMENTS

2015-current University of Miami Miller School of Medicine  
Professor of Radiology - Voluntary

7/2012-6/2014 University of Mississippi  
Professor of Radiology  
Director NeuroImaging Research  
MIND Center Director NeuroImaging & Biomarkers

9/2001-6/2012 University of Cincinnati, College of Medicine

9/2009-2012	Professor of Radiology
9/2007-2012	Director of Neuro-MRI
9/2007-2012	Director Investigational Image Processing Lab
2001-2009	Associate Professor of Radiology, Psychiatry and BME
9/2001-2005	Associate Director for the Center for Imaging Research
7/1997-6/2001	University of Michigan Medical Center Assistant Professor, Section of Neuroradiology
7/1995-6/1997	The Medical College of Georgia Assistant Professor of Radiology and Neurology
7/1991-6/1994	Central MRI, Linwood, NJ Director of MRI
7/1988-6/1991	Albert Einstein College of Medicine Assistant Professor of Radiology and Neurology Director of MRI, Co-Director Advanced Image Processing Lab
7/1987-6/1988	Saint Joseph Medical Center, Burbank, CA Staff Radiologist, Chief MRI Section, Neuroradiologist
7/1986-6/1987	Boston University Medical Center Assistant Professor of Radiology Clinical Director of MRI-Consultant to Field Effects, Inc

### **GRANT SUPPORT Completed**

NIH/NHLBI/NINDS/NEI, U01-HL096917, PI: Mosley, TH. ARIC Neurocognitive Study (ARIC NCS), Co-investigator: 07/07/2010-04/30/2014 ( \$7,760,259)

NIH/NHLBI, 1R01HL105626, PI: Suri. The Intracranial Atherosclerotic Disease and Cognitive Impairment Study, Co-investigator: 09/06/2011-06/30/2015 (\$962,251)

NIH/NIA, 1R01AG040282, PI: Gottesman, R. The ARIC-PET Amyloid Imaging Study. Co-investigator, 09/15/2011-06/30/2014 (\$456,399)

Guerbet Pharmaceuticals. Intra-individual cross-over efficacy evaluation of DOTAREM®-enhanced MRI compared to GADOVIST®-enhanced MRI in the diagnosis of brain tumors  
PROTOCOL No. DGD 44-058 PI: **Kenneth L. Weiss**. Under negotiation

Pharmatech Inc. ALS\_Gd64/001: Exploratory evaluation of the potential for long-term retention of Gadolinium (Gd) in the bones of patients who have received Gadolinium based Contrast Agents (GdCAs) according to their medical history. Co PI: **Kenneth L. Weiss**.

State of Ohio Child Care Fund: PI: **Kenneth L. Weiss**; Rapid Automated Neuroaxis MRI Screen; No cost NeuroMRI scans for children ( \$100,000) 8/06 – 2011

Guerbet Pharmaceuticals. Efficacy and Safety Evaluation of Dotarem in Magnetic Resonance Imaging (MRI) in Patients with Central Nervous System (CNS) Lesions. PI: **Kenneth L. Weiss**.

RSNA Summer Student Grant Program 2010. Rapid Automated Corpus Callosal Magnetization Transfer Ratio and Morphometrics at 3T: Multiple Sclerosis Assessment. PI: Joanna Jeong, BS, Mentor: **Kenneth L. Weiss**; (\$6000)

Department of Radiology MSSRP. Dual echo Automated Brain Spine Iterative Scan Technique (ABSIST DE) MR Cisternography in the Evaluation of Spontaneous Intracranial Hypotension (SIH). PI: Jeffery Kuo, BS, Mentor: **Kenneth L. Weiss**; (\$3000)

American Cancer Society: PI: **Kenneth L. Weiss**; Bone Metastasis: Rapid Automated Surveillance Technique. (\$30,000) 1/07-2/09

UC Cancer Center Grant: PI: **Kenneth L. Weiss**; Vertebral Breast Metastasis: Detection and Risk Prediction (\$20,000) 2/07-2/09

P&G Pharma: Multiparametric Osteoporosis Imaging; a Cadaveric Study. PI: **Kenneth L. Weiss**; (\$10,000) 8/07-8/09

Proctor & Gamble-Sanofi-Aventis: PI: Nelson B Watts, co-PI: **Kenneth L Weiss**; A Non-invasive Evaluation of Bone Microarchitecture in Osteopenic Postmenopausal Women by 3-dimensional MicroMRI: A 12-month, Multicenter, Double-blind, Randomized, Parallel Group Study Comparing 150 mg Once-a-month Risedronate and Placebo (\$91,224 rad budget only) 06/08-12/08

MicroMRI: PI: **Kenneth L. Weiss**; Installation and Validation VBB. (\$8,113) 1/07-1/08

P&G Pharma. Multiparametric Osteoporosis Imaging; a Cadaveric Study. PI: **Kenneth L. Weiss**; (\$45,000) 7/06-12/07

NIH P50 NS44283-01 SPOTRIAS, Combination Approach to Lysis Using Eptifibade and rt-TPA in Acute Ischemic Stroke (CLEAR) Study, PI: Arthur Pancioli, Co-Investigator 10% 2/02-12/06

NIH 1 RO1 NS39512-01A2, Familial Intracranial Aneurysm Study. PI: Joseph Broderick, Co-Investigator. No direct salary support. 1/03 – 1/08; Indirect salary support, approx. \$5,000 per year.

MicroMRI Inc. MicroMRI  $\alpha$  Site High Resolution MRI in Osteoporosis PI: **Kenneth L. Weiss**; 12/05-3/06 (\$5,745)

COM Dean's Medical Student Summer Grant Program PI: **Kenneth L. Weiss**; (\$2500): 6/06-9/06

UC Radiology Medical Student Opportunity grant PI: **Kenneth L. Weiss**; 2006-2007: (\$5000)

P&G –Sanofi-Aventis Bone Health Alliance:  $\alpha$  Site for In Vivo High Resolution MRI in Normals: a Validation Study. PI: **Kenneth L. Weiss**; 3/06-5/06 (\$62,100)

NIH T35 MSSRP: Co-investigator \$5000/yr. 6/02- 9/05

UC/21 Alignment Grant – China Initiative PI: **Kenneth L. Weiss**; 6/06(\$2500 direct)

UC Office of the Dean and Department Radiology: Neuroscience Made Memorable: fMRI study: PI: **Kenneth L. Weiss**; (\$15,000 total- no direct salary support), 7/1/02 – 7/1/05

UC School of Medicine: Neuroscience Made Memorable: Behavioral study. PI: **Kenneth L. Weiss**; (\$5,000, no direct salary support), 5/1/03 – 7/1/05

The Cincinnati Center for the Neuroimaging Study of Bipolar Disorder: Co-investigator \$12,500/yr.salary support, 1/1/03 –1/1/05

TNI. EEG Triggered-fMRI in Epilepsy, PI: Jersey Szaflarski, Co-Investigator. No direct salary support. 2/03- 2/04

NIH-NRSA Training grant: Summer Medical School Funded Grant Support. Automated MRI motion-correction: Judd Storrs (M2), **Kenneth L. Weiss** (Mentor), (\$4,500 total, no direct salary support), 6/15/03- 9/1/03

DDF intramural grant: Regional Correspondence amongst spectroscopic, anatomical, and fMRI measures of “Ecstasy” neurotoxicity. PI: James C. Eliassen, Co-Investigator. No direct salary support), 9/1/04-9/1/05

NIH-NRSA Training grant: Summer Medical School Funded Grant Support: (\$5,500 total): 6/1/99 - 8/15/99

Alzheimer's Disease Research Center; Functional MRI in Cognitive Tasks; PI: Bozoki, Andrea; 6/99 - 6/00, Co-Investigator: ~2% effort (\$2,000)

NIH-NRSA Training grant: Summer Medical School Funded Grant Support: (\$5,500 total): 6/1/00 - 8/15/00

Pfizer AIS Study. Phase II protocol #101-106. A double-blind, placebo controlled, multi-center study to evaluate the safety and efficacy of a 72-hour infusion of the CP-101,606 in subjects with acute ischemic stroke in the forebrain; PI: Philip Scott, MD. Co-investigator. 4/6-12/31/2000. 2% effort

National Institute on Aging; fMRI of Mental Processes in Older and Younger Adults: PI: DC Park. 7/1/99- 2/1/01; Co-Investigator 2%.

VIF, FY98.004; Integrated Diffusion Tensor and Functional Magnetic Resonance Imaging; PI: **Kenneth L. Weiss**; \$735,914; 7/12/99 – 7/11/02; 50% effort

NIH-RO1 DE 12743-01; Sex Differences in Regional MU Opioid Mediated Pain Processes; PI: Jon-Kar Zubieta; \$499,354; 9-1-98 – 8-31-01; Co-Investigator; 2% effort

2-R01-NS32756-041A; Methods for Functional MR Imaging of the Brain; PI: Douglas Noll; \$666,987; 2-1-99 – 2/1/01; Co-Investigator; 2% effort

2 P01 CA59827 NIH/NCI Fraass, Richard Optimization of high dose conformal therapy Project 4: Clinical studies of high dose conformal therapy. Optimization of high dose conformal therapy Project 4: Clinical studies of high dose conformal therapy. 9/1/00-2/28/05. Co-investigator 5%

Summer UC Medical Student Research Fellowship: Automated Window and Leveling of Brain MRI using Segmented Tissue Histogram Analysis: Judd Storrs (M1), **Kenneth L. Weiss** (Mentor), (\$4,500 total), 6/15/02- 9/1/02

### **CERTIFICATION AND LICENSURE**

1981	National Board of Medical Examiners
1987	American Board of Radiology
1995	ABR-CAQ Neuroradiology
2005-2025	ABR-MOC Neuroradiology
1982- 2021	California
1986- 2022	Massachusetts
1988-current	New York
2001-current	Ohio
2003-current	Florida
2012-2016	Mississippi
1991-2002	New Jersey
1994-1999	Georgia
1998-2001	Michigan

### **MEMBERSHIPS IN PROFESSIONAL SOCIETIES**

Radiological Society of North America  
 American Roentgen Ray Society  
 International Society of Magnetic Resonance in Medicine  
 American Society of Neuroradiology

### **TEACHING ACTIVITIES and AWARDS**

2005 Mark Lechner (M1)/**Weiss KL** (mentor) NIH MSSRP. Honorable Mention.  
 2006-2007 Virtual Autopsy Program. **PI: Weiss KL**. "MRI & CT of Gross Anatomy Cadavers for Prosection". Sponsor: Proctor & Gamble  
 2007-2008 Virtual Autopsy Program. **PI: Weiss KL**. "CT of Gross Anatomy Cadavers for Prosection". Sponsor: Proctor & Gamble.  
 2007 Suzanne Numan (M1) /**Weiss KL** (mentor) NIH MSSRP. Second Place

### **Medical School Lectures:**

M1- "NeuroImaging Made Memorable: Cranial Nerves" 11-9-12  
 M2- "White Matter Matters", 12-7-01,  
 M1-2s, "Radiology, a Career Choice", 2-6-02  
 M1- "Neuroscience Made Memorable", 8-23-03  
 UC Dual Admission Program. "Brain: fMRI", 4-22-05

**Invited Lectures:**

(Within the University)

**WeissKL.** "Artificial Intelligence: Existential Threat or Opportunity?" University of Miami Neuroradiology Rounds 6-31-17**WeissKL.** "Advanced Imaging in Dementia" University of Miami Neurology Series 1-7-16**WeissKL.** "White Matter Matters: An Imaging Perspective" Neurology Grand Rounds 4/30/14**WeissKL.** "Ventricles and Cisterns: More or Less 5-12-13**WeissKL.** "NeuroImaging Biomarkers in Alzheimer's Disease". Department of Neurobiology and Anatomical Sciences (NAS) seminar series. 2-12-13**WeissKL.** "Epilepsy: an Imaging Perspective". T-meeting 12-4-12**WeissKL.** "The Cranial Nerves". T-meeting 12-11-12**Weiss KL.** "Neuroscience Made Memorable". Summer Neuroscience Experience. 8/08/11**Weiss KL.** "Neuroscience Made Memorable". Summer Neuroscience Experience. 8/04/10**Weiss KL.** "Adv. Neuroimaging Techniques in the Neuroaxis: Head back to the Future. 4/17/10**Weiss KL.** "Pediatric MRI ASSIST". CCHMC Neuro Oncology Conference 11/13/08**Weiss KL.** "White Matter Matters: An Imaging Update." Radiology Grand Rounds, 5/24/01**Weiss KL.** "Basic Neuroradiology Imaging" Neurology Residents: 10-16-01**Weiss KL.** "MRI and Neuroimaging" Biomedical Engineering 103, 4-9-02**Weiss KL.** "White Matter Imaging": Neurology Residents: 4-10-02**Weiss KL.** "White Matter Matters: A Imaging Perspective." Neurology Grand Rounds: 7/24/02**Weiss KL.** "White Matter Matters": Update in Clinical Radiology, UCMC - Sheraton Kingsgate Hotel, Cincinnati, OH: 10/18/03

(Outside the University)

**WeissKL.** "Advanced Imaging in Dementia" University of Miami Radiology Rounds 4-6-15**WeissKL.** "White Matter Matters" University of Miami 9-23-14**WeissKL.** "ABSIST Technology" University of Miami 4-11-14**WeissKL.** "128 Channel Sykra 3T" University of Miami 1-29-14**WeissKL.** "NeuroImaging of AD: A Presentation Not to be Forgotten" 4th Annual Mississippi Physician's Conference on Alzheimer's Disease. 2-1-13**Weiss KL.** *Visiting Professor.* "Back to the Future" 2/21/2011 St. Louis University, Saint Louis, MO.**Weiss KL.** *Visiting Professor.* "White Matter Matters" 10/25/10 SUNY Syracuse, NY**Weiss KL.** *Visiting Professor.* "Back to the Future" 11/12/2010 University of Miami, Miller School of Medicine: Miami, FL**Weiss KL.** *Visiting Professor.* "White Matter Matters" 10/25/2010 SUNY: Syracuse, NY**Weiss KL.** *Visiting Professor.* "White Matter Matters" and "Back to the Future" 9/16-17/2010 University of Alabama: Birmingham, AL**Weiss KL.** "Back to the Future: Updates in Automated Image Processing". University of Maryland: Baltimore, ME 1/23/09**Weiss KL.** "Back to the Future". Ohio State University: Columbus, OH 9/10/08**Weiss KL.** "White Matter Matters: An Imaging Perspective." and "Updates in Automated Image Processing". Brigham and Women's Hospital: Boston, MA 7/20/07**Weiss KL.** "White Matter Matters: An Imaging Perspective." and "Updates in Automated Image Processing". University of Arizona: Tucson, AZ 1/20/07**Weiss KL.** "ASSIST" and "fMRI: Neuroimaging Made Memorable". Beijing Jiaotong University: Beijing, P.R. China: 6/19-22/06

**Weiss KL.** “ASSIST” and “fMRI: Neuroimaging Made Memorable”. Shandong University: P.R. China. 6-28-2006

**Weiss KL.** “White Matter Matters: An Imaging Perspective.” and “fMRI: Neuroimaging Made Memorable”. Florida Atlantic University’s Complex Systems and Brain Sciences. University MRI and Diagnostic Imaging Centers of Boca Raton. Boca Raton, FL. 5/10/01

**Weiss KL.** “White Matter Matters: An Imaging Perspective.” Radiology Grand Rounds, West Virginia University. Morgantown, WV. 6/11/01.

**Weiss KL.** “White Matter Matters: A Neuroimaging Perspective.” Radiology Grand Rounds, Wayne State University. Detroit, MI. 7/9/01.

**Weiss KL.** “MRI Research”: Wellington Diagnostics. Cincinnati, OH. 3-14-02

### **Medical Student Mentor:**

Judd Storrs (M1), Summer Medical Student Research Fellowship, 6/15/02- 9/1/02

Judd Storrs (M2), Summer Medical Student Research Fellowship, 6/15/03- 9/1/03

Kurt Brueggeman, (M1) Summer Medical Student Research Fellowship, 6/15/04- 9/1/04

Goutham Varmana, (M1) Summer Medical Student Research Fellowship, 6/15/04- 9/1/04

Mark Lechner (M1) Summer Medical Student Research Fellowship, 6/15/05- 9/1/05

Mike Hazenfield (M1) COM Dean’s Medical Student Summer Grant Program 6/06-9/06

Suzanne Numan (M1) Summer Medical Student Research Fellowship, 6/07-9/07.

Noah Allen (M1) Summer Medical Student Research Fellowship, 6/08-9/08.

William Boyce (M1) Summer Medical Student Research Fellowship, 6/08-9/08.

Carl Richards (M1) Summer Medical Student Research Fellowship, 6/08-9/08.

Joseph Chang (M4) COM Radiology Special Course 210189, 6/09-7/09

Mohammed Karim (M1) Depart Radiology Summer Medical Student Research Program 6/09-9/09

Yanfeng Su (M1) Depart Radiology Summer Medical Student Research Program 6/09-9/09

Yichun Lin (M1) Depart Radiology Summer Medical Student Research Program 6/09-9/09

Srikanth Kurapati (M4) MD, MBA COM Mentor Program 6/09-6/10

Joanna Jeong (M1) RSNA Medical Student Grant Mentor 6/10-9/10

Jeffery Kuo (M1) DRMSSRP Medical Student Grant Mentor 6/10-9/10

Christopher Kim (M1) Investigational MRI Image Processing Lab. Mentor 6/11-9/11

Sarika Chandiramani (M1) Investigational MRI Image Processing Lab. Mentor 6/11-9/11

Bryan Estill (M1) MSRP. MIND Center University of Mississippi. Mentor 2012-2013

Reed Gilbrow (M1,M2) MSRP. MIND Center University of Mississippi. Mentor 2012-2014

### **Graduate Student Co-Mentor:**

Zhenyu Tang, M.Sc. Department of Artificial Intelligence, University Duisburg-Essen, Germany.

PhD Candidate 6/09-current

Graff C, MS- Department of Radiology, University of Arizona, PhD Candidate 4/08-current

Zha Y MS-Department of Computer Science, Beijing Jiaotong Univ. PhD Candidate 6/09-6/10

Lei He BS – UC Depart. Electrical and Computer Engineering and Computer Sciences 6/02 – 6/03

Clinical Competency Exam 2002- Medical Student Evaluator

Clinical Competency Exam 2003- Medical Student Evaluator 7/28-8/8/03

Clinical Competency Exam 2004- Medical Student Evaluator

### **Radiology Resident and Medical Student Teaching:**

Preceptor Exploratory Experience Northeastern Ohio University College of Medicine (NEOUCOM) 2/14-25 2011.

Clinical Foundations of Medical Practice, (M2) Shadowing in Radiology 8/09-10/09

Numerous Radiology Department T-meetings plus daily case discussions on PACS

Bi-monthly Epilepsy Diagnosis, Management and Research meeting

Monthly UC Department of Radiology Research meeting

### **COMMITTEE AND ADMINISTRATIVE SERVICE**

UMC Department Radiology Contrast Safety Committee 2012-2014

UMC Department Radiology Protocol Committee 2012 -2014

ABR Exam of the Future: Subsection-Safety Committee Member 2011-2013

ISMRM Moderator. Clinical Intensive Education Option-Nouvelle Techniques in Current Clinical Use. Montreal, Canada; May 10, 2011

UC Health MRI Safety Committee. 2011-2012

ACGME Specialty and Neuroradiology PIF Preparation and Accreditation

ASNR Senior Member Mentoring Program 3/10-current

UC Department of Radiology Mentoring Program 2010--2012

UC Department of Radiology Executive Committee 2009-2011

UC Imaging Research and Development Committee (IRDC) 2009-2011

UC Cancer Center Committee 2007-2011

International Faculty-UC Institutional Collaboration Agreement with China - COSMIC Program 2006-2010



UC/21 Alignment Grant China Initiative COM Delegate 2006-2010

Chairman MRI Safety Committee UC COM CIR 8/01-8/04

Co-Chair UC COM CIR Scientific Advisory Committee 8/01-8/04

Faculty Advisor UC Medical Students (M1-M4)

Faculty Mentor for UC Radiology Mentorship Program 6/05-current

Radiology Residency Program Interviewer 1/08

Medical College of Georgia: Medical IRB Committee Member 1995-97

### **INTELLECTUAL PROPERTY:**

#### **Inventions/Copyrights/License Agreements**

**Weiss KL**, et al. Hybrid-color Display. 1986 see publications

**Weiss KL**. Expandable Intracavitary MRI Surface Coil. United States Patent Document Disclosure #170614; February 1987

**Weiss KL**. Nuclear Ultrasound Probe. United States Patent Document Disclosure #298065; December 1991

**Weiss KL**. Integrated Multimodality, Multifunctional Spatial Reference and Skin/Surface Marking System. United States Patent Document Disclosure # 348812; February 1994

**Weiss KL**. Integrated Multimodality, Multifunctional Spatial Reference and Skin/Surface Marking System. Renewal and Addendum. United States Patent Document Disclosure #392173; March 1996

**Weiss KL**. Cranial Nerve Clock. United States Copyright Office. Vau 438-J52. 1 Sept 1998

**Weiss KL**. Cranial Nerve Clock. United States Copyright Office. Vau 481-172. 20 Sept 2000

**Weiss KL**. Computer Automated Three-Step (CATS) Program for Brain MRI Prescription in Talairach Space. United States Patent Office. UC Software Invention Disclosure 102-082. 11/02 – Preliminary U.S. Patent application filed.

**Weiss KL**. Computer Automated Three-Step (CATS) Program for Brain MRI Prescription in Talairach Space. US Patent application filed 15 April 2003

**Weiss KL**. Automated Computer Analysis of the Neuroaxis. US Provisional Patent Application filed: 15 March 2005

**Weiss KL**. Automated Computer Analysis of the Neuroaxis. PCT (Patent Cooperation Treaty) Application filed -US Designate: 15 March 2005

**Weiss KL**, Storrs JM. Automated Neuroaxis (Brain and Spine) Imaging with Iterative Scan Prescriptions, Analysis, Reconstructions, Labeling, Surface Localization and Guided Intervention.

In: Office US Patent & Trademark, ed. USA: University of Cincinnati, appl number 10/598,764 U.S. Non Provisional: filed 11 Sept 2006.

**Weiss KL.** UC College of Medicine Department of Radiology. Hybrid Convolution Kernel. Pre-release institutional copy: software license. December 2007.

**Weiss KL.** Automated Brain MRI and CT Prescriptions in Talairach Space. In: Office US Patent & Trademark, ed. USA: University of Cincinnati, U.S. Non Provisional: issuance November 11, 2008: US 7,450,983 B2

**Weiss KL.** Hybrid Convolution Kernel. In: Office US Patent & Trademark, ed. USA: University of Cincinnati, to Kenneth L. Weiss, M.D. waive-back 2010: TXu1-650-019

**Weiss KL.** Founder and CEO of ABSIST Ltd (Automated Brain Spine Iterative Scan Technologies) no.1973584: Incorporated Cincinnati, OH 11/2010-6/2013.

**Weiss KL.** Founder and CEO of ABSIST, LLC (Automated Brain Spine Iterative Scan Technologies) no. 1021420: Incorporated Jackson, Mississippi 17 May 2013.

**Weiss KL, Storrs JM.** Automated Neuroaxis (Brain and Spine) Imaging with Iterative Scan Prescriptions, Analysis, Reconstructions, Labeling, Surface Localization and Guided Intervention. In: Office US Patent & Trademark, ed. USA: University of Cincinnati, U.S. Non Provisional: issuance September 6, 2011: US 8,014,575 B2

**Weiss KL.** Method for Automated MR Imaging and Analysis of the Neuroaxis. In: Office US Patent & Trademark, ed. USA: Kenneth L. Weiss, Non Provisional: issuance June 4, 2013: 8,457,377 B2.

**Weiss KL.** ImagiCenter<sup>®</sup> US Trademark. Ser. No. 86068498. Notice of Allowance 4/8/2014

**Weiss KL.** Composite Image Generation and Interaction Display Technology. In: Office US Patent & Trademark, ed. USA: ABSIST, LLC, Non Provisional: issuance. August 12, 2014: 8,805,042 B2.

**Weiss KL.** Image Creation, Analysis, Presentation, and Localization. In: Office US Patent & Trademark, ed. USA: ABSIST, LLC, Non Provisional: issuance. November 24, 2015: 9,196,035 B2.

**Weiss KL.** Computer Apparatus for Analyzing Medical Images for Diffusion-Weighted Abnormalities or Infarct and Generating Prescriptions. USPTO: ABSIST LLC, Non Provisional: issuance September 5, 2017: 9,754,369 B2.

### **JOURNAL REVIEWS:**

Radiology-Reviewer  
American Journal of Neuroradiology

**BIBLIOGRAPHY****Peer reviewed Publications:**

1. **Weiss KL**, Beltran J, Sharman OM, Stella RF, Lewis M. High Field MR Surface Coil Imaging of the Hand and Wrist: Part I. Normal Anatomy. *Radiology* July 1986; 160(1):143-146
2. **Weiss KL**, Beltran J, Lubbers LM. High Field MR Surface Coil Imaging of the Hand and Wrist: Part II. Pathologic Correlations and Clinical Relevance. *Radiology* July 1986; 160(1):147-152
3. Beltran J, Noto AM, Mosure JC, **Weiss KL**, Christoforidis AS. Surface Coil Magnetic Resonance Imaging of the Joints at 1.5 Tesla: The Knee. *Radiology* 1986; 159(3):747-751
4. Beltran J, Noto AM, Mosure JC, Shamam OM, **Weiss KL**, Zuelzer WA. Surface Coil Magnetic Resonance Imaging of the Joints at 1.5 Tesla: The Ankle. *Radiology* Aug 1986; 161(1):203-209
5. Kissel JT, Lolkin S, Chakeres D, Boesel C, **Weiss KL**. Magnetic Resonance Imaging in a Case of Autopsy-Proved Adult Subacute Necrotizing Encephalomyelopathy (Leigh's Disease). *Arch Neurol* 1987; May 44(5):563-566
6. Huber SJ, Paulson GW, Shuttleworth EC, Chakeres DW, Clapp LE, Pakalnis A, **Weiss KL**, Rammohan K. Magnetic Resonance Imaging Correlates of Dementia in Multiple Sclerosis. *Arch Neurol* 1987; 44(7):732-736
7. Chakeres DW, Flickenger F, Breshnahan J, Beattie M, **Weiss KL**, Miller C, Stokes BT. MRI Imaging of Acute Spinal Cord Trauma. *AJNR* 1987; 8(1):5-10
8. Mendell JR, Kolkin S, Kissel JT, **Weiss KL**, Chakeres DW, Rammohan K. Evidence for Central Nervous System demyelination in Chronic Inflammatory Demyelinating Polyradiculoneuropathy. *Neurology* 1987; 37(8):1291-94
9. **Weiss KL**, Stiving SO, Herderick CE, Cornhill JF, Chakeres DW. Hybrid Color MR Imaging Display. *AJR* Oct 1987; 149:825-829
10. Pakalnis A, Drake ME Jr, Dadmehr N, **Weiss KL**. Evoked Potentials and EEG in Multiple Sclerosis. *Electroencephalogr Clin Neurophysiol* 1987 Oct; 67(4):333-6
11. Pakalnis A, Drake ME Jr, Dadmehr N, **Weiss KL**. Correlation of EEG Evoked Potentials and Magnetic Resonance Imaging in Evaluation of Multiple Sclerosis. *Electromyogr Clin Neuro Phys* 1987 Oct-Nov; 27(6-7):489-92
12. Morrison MC, **Weiss KL**, Moskos MM. CT and MR Appearance of a Primary Intraosseous Meningioma. *J Comput Assist Tomogr* 1988; 12(1):169-70
13. Ahern GL, Howard III GL, **Weiss KL**. Posttraumatic Pilonator Seizures: A Case Report. *Epilepsia* 1988; 29(5):640-643
14. Trambert JJ, Rubin AM, **Weiss KL**, Terin AB. Pelvocalyceal Varices Secondary to the Nutcracker Phenomenon: Case Report. *AJR* 1990; 154(2):305-306
15. **Weiss KL**, Levy IM, Morehouse HT. Sagittal MR Images of the Knee: A Low-Signal Band Parallel to the Posterior Cruciate Ligament on Sagittal Images Caused by a Displaced Bucket Handle Tear. *AJR* Jan 1991; 156:117-119

16. **Weiss KL**. Severe Anaphylactoid Reaction After IV GD DTPA. *Magnetic Resonance Imaging*; Jan 1991; 8:817-818
17. Freeman R, Wezenter B, Silverstein M, Kuo D, **Weiss KL**, Kantrowitz AB, Ulrich SK. Hemorrhage of Prolactinoma in Pregnancy. *Fertility and Sterility*; Aug 1992; 58(2):427-429
18. Bruning K, **Weiss KL**, Zeifer B, Comfort C, Kaplan J. Arachnoiditis in the Cauda Equina Syndrome of Long-standing Ankylosing Spondylitis: The Importance of Magnetic Resonance Imaging. *J Neuroimag* 1993; 3:55-57
19. **Weiss KL**, et al. MRI Monitoring of Vigabatrin-induced Intramyelinic Edema in Dogs. *Neurology* 1994; Vol 44:1944-1949
20. **Weiss KL**, Macura KL, Ahmed A. Cerebral air embolism: Acute imaging. *Journal of Stroke & Cerebrovascular Disease* 1998; 7(3):222-226
21. Park YD, Allison JD, **Weiss KL**, Smith JR, Lee MR, King DW. Proton Magnetic Resonance Spectroscopic Observation of Epilepsia Partialis Continua in Children. *J. Child Neurology* 2000; Vol 15(11):729-733
22. Steinberg BA, Bieliaukas LA, **Weiss KL**, Eldevik OP, Welsh RC, Berent S, Chenevert TL, Betley A, Jacobsen EA, Raz J. Functional neuroanatomic correlates of complex visual processing: An fMRI investigation. *NeuroImage* 2000; Vol 11(5): online
23. Weiss, JL, **Weiss KL\***, Benecke, SM. Serotonin Mediated Cluster Headache, Trigeminal Neuralgia, Glossopharyngeal Neuralgia, and Superior Laryngeal Neuralgia with SAD Chronicity. *Child Psychiatry and Human Development* 2001; Vol 32: (1):45-53
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