

CURRICULUM VITAE

PERSONAL DATA

Kenneth Lee Weiss, M.D.
495 Brickell Ave. Apt 2406
Miami, FL 33131
PH: (601) 850-3714 mobile
PH: (305) 677-9798 office
Email: drkennethweiss@gmail.com

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
 2nd 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

9/2009-2012	University of Cincinnati, College of Medicine 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 α 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: α 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-current	California
1986-current	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. "Advanced Neuro MRI: Need for Speed - Fast Dixon & SMS RESOLVE" University of Miami Neuroradiology Rounds 5/22/18**WeissKL.** "Artificial Intelligence: Existential Threat or Opportunity?" University of Miami Neuroradiology Rounds 6-28-17**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 Engineering103, 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 ofMiami 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”. 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

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

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

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[®] 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.

WeissKL. 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.

WeissKL. Computer Apparatus for Analyzing Multiparametric MRI Maps for Pathologies and Generating Prescriptions. USPTO: ABSIST, Non Provisional: issuance March 5, 2019: 10,223,789 B2.

WeissKL. Computer Apparatus and Methods for Generating Color Composite Images for Multi-Echo Chemical Shift-Encoded MRI. Provisional: Filing date February 19, 2019: Application no. 62/807,659

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 Pilomotor 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, Bieliauskas 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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* Denotes mentor for graduate or undergraduate student.

Websites: www.drkennethweiss.com

www.ImagiCenter.net