

1990-1999 Research Award Recipients

1990

Colonic Perforation in the Juvenile Porcine Model

William Eugene Shiels, II DO, Columbus Children's, Dublin OH

Effect of Methotrexate on Bone Density During Growth

John G. Curran MD, Children's Memorial Hospital, Chicago IL

MRI Of Ischemic Damage to the Growth Mechanism

Diego Jaramillo MD, Massachusetts General Hospital

Comparison of Radiographic and MRI Evaluation of the Craniocervical Junction in Down Syndrome

Keith S. White MD, Primary Children's Medical Center, Salt Lake City

Detection of Subclinical Cerebrovascular Disease in Patients with Homozygous Sickle Cell Disease

SS Ortiz MD

1991

Phosphorus31 Magnetic Resonance Spectroscopy of Muscle Metabolism in Patients with Sickle Cell Disease Prior to and Following Isovolemic Exchange Transfusion

George Simpson Bisset, III MD, Duke University Medical Center

Detection of Cerebral Vascular Disease in Patients with Sickle Cell Anemia Using Duplex Transcranial Doppler with MR Angiographic Correlation

Joanna Johnson Seibert MD, Arkansas Children's Hospital

Multiparameter Ultrasonic Tissue Characterization of the Immature Rat Brain: Normal Versus Disease States

Lori Lee Barr MD, Austin Radiological Association Austin

Pulmonary Distribution of Endotracheally Administered Epinephrine in Pediatric Resuscitation

Mark S. Finkelstein DO, Christiana Hospital, Newark DE

Changes in Bone Density in Children Undergoing Bone Marrow Transplantation

VS Chakravarti MD

1992

High Resolution Volumetric Cine CT Assessment of Bronchial Reactivity: Histamine Induced Bronchoconstriction and Parenchymal Aeration Changes

Sandra Sue Kramer MD, Children's Hospital of Philadelphia

Acute Testicular Torsion in the Rabbit: Qualitative and Quantitative Evaluation of the Effect of an Intravenous Doppler Contrast Agent

Donald Frush MD, Duke University Medical Center

Cine Magnetic Resonance Tracheal Evaluation in Anterior Innominate Artery Compression

Beverly Phyllis Wood MD, Loma Linda Univ Children's Hospital

Comparison of Digital and Film Screen Radiography for the Detection of Pneumothorax in an Animal Model

Steven Don MD, Washington University, Mallinckrodt Institute of Radiology, St. Louis, Missouri

1993

Colonic Perforation During Air Enema in the Porcine Model

Stephen C. O'Connor, MD, Tripler Army Medical Center - Honolulu

Ultrasound Characterization and Demonstration of Hemodynamic Effects in Experimental Neuronal Injury

George A. Taylor, MD, Johns Hopkins Medical Institutions

Quantitative Volume Flow Measurements with Color Velocity Imaging

Sjirk J. Westra, MD, University of California - Los Angeles Medical Center

1994

The Natural History of Acute Small Bowel Obstructions in Rats: Radiographic, Ultrasonic and Pathologic Changes

Marilyn Goske, MD, Cleveland Clinic Foundation

Helical Cine CT in the Assessment of Regional Ventilation: A Rabbit Model

T. David Cox, MD, Children's Hospital and Medical Center, Seattle

Comparison of Computed Radiography with Film-Screen Radiography in Detecting Pulmonary Edema in a Rabbit Model Simulating Hyaline Membrane Disease

Steven Don, MD, Washington University, Mallinckrodt Institute of Radiology, St. Louis, Missouri

Detection of Inflicted Skeletal Injury in Infants Using a Charge-Coupled Device

Paul E. Kleinman, MD, University of Massachusetts Medical Center

Comparison of Breath Hold and Non-Breath Hold Helical and Nonhelical Computerized Tomography Techniques for the Detection of Lung Metastases in Dogs with Osteosarcoma

Mervyn Cohen, MD, Riley Hospital for Children, Indianapolis

Assessment of Cytoreductive Therapy in Childhood Leukemia (ALL) with ¹H NMR Spectroscopy (MRS)

Francis Blankenberg, MD, Lucille Salter Packard Children's Hospital

Use of Cisapride (Propulsid) in Nasojejunal and Gastrojejunal Tube Placement: A Double-Blind Study
Ellen C. Benya, MD, Children's National Medical Center

1995

Effect of Chronic Low-Pressure Sterile Vesicoureteral Reflux on Renal Growth and Blood Flow in Piglets
Harriet J. Paltiel, MD, Children's Hospital, Boston

Quantification of Renal Blood Flow with Color Doppler Energy and Perfluorocarbon-based Micro-bubble Contrast Media
George A. Taylor, MD, Children's Hospital, Boston

Therapeutic Efficacy of Chest Radiography in the Pediatric Intensive Care Unit
Keith S. White, MD, Primary Children's Medical Center, Salt Lake City

Diagnosis of Experimental Acute Pyelonephritis in Piglets Comparison of Spiral CT and 99mTc-DMSA Scintigraphy
Massoud Majd, MD, Children's National Medical Center, Washington, D.C.

1996

High-Resolution CT and Expiratory CT of Bronchopulmonary Dysplasia
Suzanne L. Aquino, MD, UC Davis Medical Center

Pulmonary Hemorrhage and Hemosiderosis: Evaluation with MR Imaging in a Piglet Model
Sheila C. Berlin, MD, Rainbow Babies and Children's Hospital- Cleveland

Magnetic Resonance Microscopy Study of Embryonic and Fetal Development in Normal and Genetically Altered Mice
Anne M. Hubbard, MD, The Children's Hospital of Philadelphia

Efficacy and Cost-Effectiveness of Fast-Screening Brain MRI Versus Conventional MRI in Children Suspected of Having a Brain Tumor: A Blinded Comparative Analysis
L. Santiago Medina, MD, Children's Hospital, Boston

Power Doppler Evaluation of Septic Arthritis: A Rabbit Model - Bracco/SPR Award
Peter J. Strouse, MD, University of Michigan Hospitals

1997

The Impact of Imaging on Diagnosis, Management and Cost in Pediatric Patients with Abdominal Pain Presenting to the Emergency Department: A Comparison of Capitated Versus Fee-for-Service Plans
Kimberly E. Applegate, MD, The Cleveland Clinic Foundation

Evaluation of Bone Density in Survivors of Childhood Acute Lymphoblastic Leukemia (ALL) Treated on a Single Institutional Protocol

Sue C. Kaste, DO, St. Jude Children's Research Hospital

Correlative Imaging Evaluation of Abduction-Induced Hip Ischemia in Piglets

Carol E. Barnewolt, MD, Children's Hospital, Boston

Changes in Regional Renal Blood Flow During Hypotension: Evaluation with Contrast-Enhanced Grey-scale Harmonic US

George A. Taylor, MD, Children's Hospital, Boston

1998

Computerized Stereological Quantitation of Pediatric Tumor Volume

Simon C. S. Kao, MD, The University of Iowa Hospital and Clinics

Doppler Sonographic Determination of Vessel Density in Crohn's Disease: a Reflection of the Effect of Treatment

Heidi Patriquin, MD, Hopital Sainte-Justine, Montréal

Evaluation of Contrast-Enhanced Sonography with Harmonic Imaging in Experimental Acute Pyelonephrosis in Piglets

Paul Babyn, MD, The Hospital for Sick Children, Toronto

Osteogenic Sarcoma: Monitoring of Chemotherapeutic Drug Delivery Using MRI with Liposome Encapsulated Gd-DTPA-BMA

Philipp Lang, MD, Lucile Packard Children's Hospital, Stanford, California

1999

MR Lung Ventilation Imaging in Asthmatics Using Hyper Polarized Helium-3

Bennett Alford, MD, The University of Virginia

The Sedation, Analgesia, and Contrast Media Simulator: A New Approach to Train and Evaluate Radiologists' Responses to Critical Incidents

L. Santiago Medina, MD, Children's Hospital Medical Center, Miami, Florida

Multi-Institutional Pilot Study of Dynamic Enhanced Magnetic Resonance Imaging (DEMRI) to Assess Response of Bone Sarcoma to Chemotherapy

James S. Meyer, MD, Children's Hospital of Philadelphia