

**FREDERICK MERRILL KARRER, M.D.**

# Professor of Surgery and Pediatrics

University of Colorado School of Medicine

Children’s Hospital Colorado

13123 East 16th Avenue

Aurora, CO 80045

Phone: 720-777-6571

Fax: 720-777-7271

fritz.karrer@childrenscolorado.org

**BIRTH DATE/PLACE**: August 28, 1954

McCook, Nebraska

**MARITAL STATUS**: Married: Debra Kay (Newcomer) Karrer, July 16, 1977

Children: Michael, born August 11, 1989

Thomas, born July 10, 1992

**EDUCATION**:

University of Nebraska, Lincoln – Bachelor of Science (Zoology) 1976

University of Nebraska Medical Center, Omaha - Doctor of Medicine 1979

**RESIDENCIES:**

University of Arizona Health Sciences Center, Tucson, Arizona

General Surgery Resident, Stephen L. Wangensteen, M.D. 1979 - 1984

**FELLOWSHIPS:**

University of Colorado Health Sciences Center, Denver, Colorado

Research Fellow in Pediatric Surgery, John R. Lilly, M.D. 1984 - 1985

University of Pittsburgh School of Medicine, Pittsburgh, Pennsylvania

Fellow in Transplantation Surgery, Thomas E. Starzl, M.D. 1985 - 1986

Children's Memorial Hospital, Northwestern University, Chicago, Illinois

Pediatric Surgery Fellow, John F. Raffensperger, M.D. 1986 - 1988

**LICENSURE:**

State of Colorado, #25905 1984 -

State of Illinois, #36073553 (Inactive) 1986 - 1990

State of Pennsylvania, #MD034832E (Inactive) 1985 - 1988

State of Arizona, #1224 (Inactive) 1979 - 1988

**BOARD CERTIFICATION:**

Diplomat, National Board of Medical Examiners, #223061 1980

American Board of Surgery, #32441 1987 - 2024

American Board of Surgery (Pediatric Surgery), #540 1990 - 2024

American Board of Surgery (Surgical Critical Care), #5751990 1990 - 2023

**OTHER CERTIFICATION**

Basic Life Support (American Heart Association) 2002

-Recertification Annually 2003-2022

Advanced Trauma Life (American College of Surgeons Committee on Trauma) 1990

- Recertification 1995, 2000, 2004, 2008, 2012, 2016, 2020

Pediatric Advanced Life Support (American Heart Association) 2000

- Recertification 2002, 2004, 2006, 2010, 2012, 2014, 2016, 2018, 2020

Advanced Cardiac Life Support (American Heart Association) 2009

**ACADEMIC APPOINTMENTS:**

Instructor in Surgery, University of Colorado 1984 - 1985

Instructor in Surgery, University of Pittsburgh 1985 - 1986

Instructor in Surgery, Northwestern University 1987 - 1988

Assistant Professor, Department of Surgery, University of Colorado 1988 - 1994

Assistant Professor, Department of Pediatrics, University of Colorado 1992 - 1994

Associate Professor, Department of Surgery & Pediatrics, Univ of Colo 1994 - 2003

Professor with tenure, Department of Surgery & Pediatrics, Univ of Colo 2003 -

**MILITARY SERVICE:**

Major, US Army Reserves, 5502nd US Army Hospital 2002 - 2005

Lieutenant Colonel, US Army Reserves, 5502nd US Army Hospital 2005 - 2009

Colonel, US Army Reserves, 5502nd US Army Hospital 2009 - 2014

Colonel, Wyoming State Emergency Preparedness Liaison Officer 2014 - 2022

Region VIII Defense Coordinating Element, 76th ORC

**MILITARY AWARDS:**

Order of Military Medical Merit

Meritorious Service Medal

Army Commendation Medal (5th Award)

Army Reserve Component Achievement Medal (4th Award)

National Defense Service Medal

Afghanistan Campaign Medal with 3 Campaign Stars

Iraq Campaign Medal with Campaign Star

Global War on Terrorism Expeditionary Medal

Global War on Terrorism Service Medal

Armed Forces Reserve Medal with M device and 10-Year Bronze Hourglass

Army Service Ribbon

Army Reserve Components Overseas Training Ribbon

NATO Medal – ISAF (3rd Award)

Combat Medical Badge

Army Meritorious Unit Citation Award

7 Deployments – Iraq x2, Afghanistan x3, Hawaii, Virginia

**HONORS AND AWARDS:**

Alternate Regent's Scholarship, University of Nebraska 1972

Outstanding Young Men of America 1984

Young Investigator's Award, National Digestive Disease, Advisory Board 1988

Northwestern University Residents' Paper Competition, Honorable Mention 1988

Who's Who in the West 1994

Award for 10 years of Dedication to Transplantation at University Hospital 1998

The Best Doctors in America 1998 – 2011, 2017

Preceptor Appreciation Award, Child Health/Physician Asst Prgm, Univ of Colo 1998

**Edward J. Bartle Outstanding Teacher Award, Dept of Surg, Univ of Colo 2000**

Top Doctors in America, Castle Connolly Medical Ltd., 2001 - 2018

Honored Member Strathmore’s Who’s Who 2002, 2009

America’s Top Surgeons, Consumers Research Council of America 2002, 2004

Top Docs, Core Magazine 2007

Presidential Who’s Who 2009

Patient’s Choice Award 2010

**Distinguished Alumnus Award, Dept. of Surgery, University of Arizona 2013**

Top Doctors, 5280 Magazine 1999, 2004, 2005, 2006, 2013 - 2023

**James E. Strain Award, Children’s Hospital Medical Staff** **2019**

**HOSPITAL CREDENTIALS**:

Active Staff

Children's Hospital Colorado, Denver, Colorado 1990 -

University Hospital, Denver, Colorado 1988 -

Denver Health Medical Center, Denver, Colorado 1988 -

Exempla/St. Joseph Hospital, Denver, Colorado 1990 -

Memorial Hospital, Colorado Springs, Colorado 2014 -

Inactive Staff

Rose Medical Center, Denver, Colorado 1988 - 2004

Presbyterian/St. Luke's Hospital, Denver, Colorado 1990 - 2004

St. Anthony’s Hospital, Denver, Colorado 1997 - 2004

Exempla/Lutheran Hospital, Wheat Ridge, Colorado 1997 - 2010

Porter/Adventist Hospitals, Littleton, Colorado 1997 - 2004

Swedish Medical Center, Englewood, Colorado 1998 - 2004

Exempla/Good Samaritan Hospital, Louisville, Colorado 2002 - 2009

**MEMBERSHIP IN PROFESSIONAL SOCIETIES**:

American Medical Association 1977 - 2016

Phi Rho Sigma Medical Society 1977 - 1980

Transplantation Society 1987 - 2020

American Academy of Pediatrics  1988 -

Surgical Section 1990 -

Critical Care Section 1990 -

Association for Academic Surgery 1988 – 2005

American Society of Transplant Surgeons 1989 - 2022

American Association for the Study of Liver Diseases 1989 - 2000

American College of Surgeons - Fellow 1992 -

Society of Critical Care Medicine 1992 - 2016

Pacific Association of Pediatric Surgeons 1992 -

American Pediatric Surgical Association 1993 -

Publications Committee 1995 - 1998

Manpower Task Force Committee 1995 - 2001

Committee on Transplantation 2002 - 2003

Practice Committee 2007 – 2010

Nominating Committee 2012

Denver Medical Society 1994 - 2016

Colorado Medical Society 1994 - 2016

Western Trauma Association 1994 -

International Liver Transplantation Society 1995 - 2015

Western Surgical Association 1995 -

Denver Academy of Surgery 1995 -

Board of Directors 2013 -

President 2022 - 2023

International Pediatric Transplant Association 2000 - 2022

Children’s Oncology Group 2002 - 2011

**CURRENT COMMITTEE APPOINTMENTS:**

Pediatric Liver Center, Children’s Hospital Colorado 1988 -

Trauma Committee, Children’s Hospital Colorado 1995-

Infection Control Committee, Children’s Hospital Colorado 1995 -

Surgery Committee of Childhood Liver Disease Research Network (ChiLDReN) 2002 -

**PAST APPOINTMENTS/COMMITTEES:**

Teaching Assistant - Child Psychology, University of Nebraska, Lincoln 1975

Parasitology Research Fellow, Ogallala Field Station, University of Nebraska 1975

Teaching Assistant - Physics, University of Nebraska, Lincoln, Nebraska 1975 - 1976

Student Health Aid - University of Nebraska, Lincoln, Nebraska 1976

Vice President, Phi Rho Sigma Medical Society, Iota Chapter, UNMC 1979

Tissue Review Subcommittee, University of Arizona, Tucson Arizona 1983 - 1984

Hepatic Surgery Research Fellow, Veteran's Administration Hospital,

Tucson, Arizona (C. Putnam, M.D.) 1983

Code Committee, Children's Memorial Hospital 1987 - 1988

Surgical Director of Pediatric Transplantation, Univ of Colo/Children’s Hospital 1988 - 2016

Director, Pediatric Trauma Service, University of Colorado 1988 - 1990

Pediatric Nutrition Committee, University of Colorado 1988 - 1990

Liver Transplant Candidate Selection Committee, Univ of Colo/CHCO 1988 – 2022

Pediatric Clinical Research Center Committee, University of Colorado 1988 – 1992

Pediatric Renal Transplant Committee, Children’s Hospital Colorado 1989 - 2022

Operating Room Committee, University of Colorado 1988 - 1991

Pediatric Surgery Subcommittee of University/Children’s Hospital Colorado

Affiliation Working Committee 1989 - 1990

Multi-Organ Transplant Program Advisory Committee 1989 - 1992

Pediatric Transplant Study Group 1989 - 1993

United Network for Organ Sharing Region 8 Representative for Children’s Hosp 1990 - 2015

Instructor, Advanced Trauma Life Support, ACS Committee on Trauma 1990

Instructor, Trial Advocacy Course, University of Colorado Law

School (Judge James Carrigan) 1990 - 1992

Medical Research Committee, Children’s Hospital Colorado 1990 - 1993

Pediatric Intensive Care Unit Advisory Committee, Children’s Hospital 1990 - 1995

Pediatric Surgery Education Committee, Children’s Hospital Colorado 1991 – 2022

Promotions Committee (Clinical Competency), General Surgery Residency,

Department of Surgery, University of Colorado 1991 - 2016

Advisory Committee for Urology Chief, Children’s Hospital Colorado 1991

Search Committee for Chief of Pathology, Children’s Hospital Colorado 1991

Ethics Committee, Children’s Hospital Colorado 1991 - 1992

Colorado Multiple Institutional Review Board (COMIRB) 1991 - 1993

Surgical Research Committee, Department of Surgery, University of Colorado 1991 - 1995

Colorado Organ Recovery Systems, Medical Advisory Committee 1991 - 2006

Kempe Research Center, Scientific Review Board, The Children's Hospital 1992

Organ Transplant Task Force of the Colorado District Attorney 1992 - 1993

Communications Committee, United Network for Organ Sharing 1992 - 1994

Continuing Medical Education Committee, Children’s Hospital Colorado 1992 - 1996

Acting Chairman, Department of Pediatric Surgery, The Children's Hospital 1993 - 1997

Nominating Committee of the Medical Board, Children’s Hospital Colorado 1993 - 1994

Acting Chief, Section of Pediatric Surgery, University of Colorado 1993 - 1995

Operating Room Committee, Children’s Hospital Colorado 1993 - 2007

**Medical Board, Children’s Hospital Colorado** 1994 - 1996

Transplant Council, Children’s Hospital Colorado 1994 - 1996

Graduate Medical Education Committee, University of Colorado 1995 – 2021

Pediatric Surgery Leadership Task Force, Children’s Hospital Colorado 1995

**Chief, Division of Pediatric Surgery, University of Colorado**  1995 - 2016

**Chairman, Department of Pediatric Surgery, Children’s Hospital Colorado** 1995 - 2016

American College of Surgeons, Colorado District #1 Committee on Applicants 1996 - 1998

UNOS Pediatric Transplantation Committee 1996 - 1998

Surgery Chair Committee, Children’s Hospital Colorado 1997 - 2016

GI//GU Future Planning Discussion Group, Chair, Children’s Hospital Colorado 1998

Children’s Hospital Colorado Subcommittee of University Physicians Inc. 1999 - 2000

Pediatric General Clinical Research, UCHSC - Advisory Committee 1999 - 2002

Venous Access Task Force, Quality Initiatives Committee, Children’s Hospital 2000 - 2007

Search Committee for Chairman of Pediatric Anesthesia, Children's Hospital 2001

Graduate Medical Education Committee, Internal Reviewer Pediatric Cardiology 2001

Search Committee for Chairman of Pathology (Chair), CHCO 2006 – 2007

**The David R. & Kiku Akers Chair in Pediatric Surgery** 2007 - 2016

Promotion and Tenure Committee (Chairman), CU Department of Surgery 2007 - 2015

Finance Committee, University Physicians, Inc. 2008 - 2016

Legislative Committee, American Society of Transplant Surgeons 2009 - 2011

**Medical Board, Children’s Hospital Colorado** 2009 - 2011

Children’s Hospital Colorado Board of Directors 2009 - 2011

Trauma Steering Committee, Children’s Hospital Colorado 2009 - 2011

Clinical Administrative Council, Children’s Hospital Colorado 2009 - 2011

Joint Affiliation Committee, Children’s Hospital Colorado 2009 - 2011

Quality Safety Committee, Children’s Hospital Colorado 2009 - 2011

**Interim Surgeon-in-Chief, Children’s Hospital Colorado** 2009 - 2011

Clinical Competency Committee for Pediatric Surgery Fellowship, CHCO 2014 – 2022

Search Committee for Division Head of Transplant Surgery 2015 - 2016

Hearts of All Ages Committee 2015

Search Committee for Chairman of Plastic Surgery (Chairman), CHCO 2017 – 2018

**LEADERSHIP EDUCATION**

American College of Surgeons - Chicago, IL – April 3-6 2005

Surgeons as Leaders: From Operating Room to Boardroom

Center for Creative Leadership, Colorado Springs 2007

**TEACHING RESPONSIBILITIES**:

Program Director, Pediatric Surgical Fellowship, UC and CHCO 1995 – 2006, 2009 -2021

Program Director, International Pediatric Surgery Fellowship, CHCO 2016-2010

Co-Instructor for Surgery Resident Rotations on Pediatric Surgery

University of Colorado General Surgery

St. Joseph’s Hospital General Surgery

St. Anthony Hospital General Surgery

Co-Instructor, University of Colorado School of Medicine:

Pediatric Surgery #540 (Undergraduate Medical Students)

Surgery #544 (Junior Medical Students)

Surgery #569 (Senior Medical Students)

Co-Instructor for Physician’s Assistant/Child Health Associate Program

Children’s Hospital Colorado (Second Year)

**COMMUNITY ACTIVITIES:**

Lecture to Tamarac High School 1999

Lecture to Colorado Academy second grade class 2000

Preceptor for High School Students Nicole Struthers and

Justin Smutz 2002

Assistant Scoutmaster & Committee Member, Troop 112,

Boy Scouts of America 2002 - 2007

Lecture at St. Mary’s Middle School 2008

**POSTS IN SCIENTIFIC JOURNALS AND STUDY SECTIONS**:

Consultant Referee for New York State Journal of Medicine 1985

Consultant Referee for Pediatrics 1985

Consultant Referee for Pediatric Surgery International 1988

Consultant Referee for Archives of Internal Medicine 1989

Consultant Referee for The New England Journal of Medicine 1989

Consultant Referee for Medical Principles and Practice 1989

Editorial Board of Transplantation Science 1991

Consultant Referee for Anais da Faculdade de Medicina 1992

American Board of Surgery

Consultant, Associate/Alternate Examiner for Surgery Oral Boards 1994

Pediatric Surgery In-Training Examination Consultant 1996 - 2009

Associate Examiner for Pediatric Surgery Oral Boards 2008

National Institutes of Health, Consultant 1996

Consultant Referee for Archives of Surgery 1997 - 2000

Editorial Board of eMedicine 2001

Editorial Board of Kid Health Website 2002

Consultant Referee for Case Reports in Otolaryngology 2018

Consultant Referee for Annals of Surgery 2000, 2010

Consultant Referee for Journal of Pediatric Surgery 1995 - present

**GRANT SUPPORT:**

Title:Colorado Center of NIH-NIDDK, U01DK062453, PI - Ronald J. Sokol, MD, Direct costs year 19: $ 515,687, Total costs year 19: $634,997.

Sponsor: National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), a Division

of The National Institutes of Health (NIH)

Role: Co-Investigator

Amount: 2%

Period: 2019-2024

* + John Magee, MD (PI), Ron Sokol (Study Chair) and the Childhood Liver Disease Research and Education Network: Biliary Atresia Research Consortium (PROBE). ClinicalTraials.gov Identifier: NCT00061828. BARC - IND – DK62456-01, 2003-
  + Ron Sokol (Study Chair) and the Childhood Liver Disease Research and Education Network: Biliary Atresia Study in Infants and Children (BASIC). ClinicalTrials.gov Identifier NCT00345553, 2006-
  + John Magee, MD (PI) and the Childhood Liver Disease Research and Education Network: A Randomized, Double-Blinded, Placebo-Controlled trial of Corticosteroid Therapy Following Portoenterostomy (START). ClinicalTrials.gov Identifier: NCT00294684, 2006-
  + Ron Sokol, MD (PI) and the Childhood Liver Disease Research and Education Network: A Phase I/IIa Trial of Intravenous Immunoglobulin (IVIG) Therapy Following Portoenterostomy in Infants with Biliary Atresia (PRIME). COMIRB# 13-0400, 2013-

Title: Rapid Routine Emergency Department Screening for Child Physical Abuse, PI – Daniel M Lindberg, MD, Total costs: $619,805

Sponsor: 59 Medical Wing (MDW) Research Program

Role: Co-Investigator

Amount: 2%

Period: 2021-2022

**EXPERIMENTAL AND CLINICAL RESEARCH ACTIVITIES**:

* COMIRB # 12-1012 Choledochal cyst excision: a review of our experience. Acker S, Bruny J, Narkewicz M, Roach J, Rogers A, Karrer FM.
* COMIRB #15-1952 Use of Ultrasound Measurements to Guide G-tube Sizing. Moulton SS, Karrer FM

**COMPLETED OR PAST RESEARCH ACTIVITY:**

* Putnam CW, Karrer FM: Veterans Administration Research Grant, Hepatoprotection following liver injury. University of Arizona Health Sciences Center, 1983.
* Karrer FM (Principal Investigator), Lilly JR: Efficacy of moxalactam in pediatric hepatobiliary infection. Eli Lilly & Co. University of Colorado Health Sciences Center, 1984-1985.
* Karrer FM (Principal Investigator), Hall RJ, Sondheimer J, Lilly JR: Lower esophageal sphincter function after endoscopic sclerosis. University of Colorado Health Sciences Center, 1986-1989.
* Raffensperger JG, Das J, Karrer FM: Parenteral nutrition-associated cholestasis in the neonate following small bowel resection and enterostomy. Children's Memorial Hospital, Chicago, Illinois, 1987-1988.
* Raffensperger JG, Kaplan W, Karrer FM, Hatley R: Prevention of gastrointestinal reflux by submucosal injection of teflon. Children's Memorial Hospital, Chicago, Illinois, 1987-1988.
* Kam I, Karrer FM, Lawton C: Liver transplantation in dogs - A step prior to human liver transplantation at University of Colorado Health Sciences Center. University of Colorado Health Sciences Center, 1988.
* Kam I, Karrer FM, Harken A: Multicenter trial of University of Wisconsin solution in clinical liver preservation and transplantation. University of Colorado Health Sciences Center, 1988-1989.
* Lilly JR (Principal Investigator), Karrer FM, Silverman A: Endoscopic sclerosis of esophageal varies. University of Colorado Health Sciences Center, 1981-1990.
* Karrer FM (Principal Investigator), Horgan G. Wanek AE, Rumack C, Hall RJ, Lilly JR: Doppler evaluation of portal vein calibre and flow in children with biliary atresia. University of Colorado Health Sciences Center, 1987-1990.
* Lilly JR (Principal Investigator), Karrer FM, Javett N, Schröter,GPJ: Bile acid investigations after Kasai operation. University of Colorado Health Sciences Center, 1988-1990.
* Karrer FM (Principal Investigator), Hambidge FM, Lilly JR, Westcott J, Miller L, Kennessey P: Zinc metabolism in infants and children with extrahepatic biliary atresia (EHBA). University of Colorado Health Sciences Center, 1990.
* Karrer FM (Principal Investigator), Hao L, Howell C, Lafferty K: Induction of specific immune tolerance in murine allografts. University of Colorado School of Medicine, Biomedical Research Support Grant ($6,700), 1991-1992.
* Sokol RJ (Principal Investigator), Karrer FM, Schröter GPJ, Jones M. Use of TPGS-Vitamin E to improve cyclosporine absorption. University of Colorado Health Sciences Center, 1989-1992.
* Howell CD (Principal Investigator), Fennel RH, Stephens J, Franklin W, Kam I, Everson GT, Schröter GPJ, Karrer FM. Diagnosis of liver allograft rejection in adults. University of Colorado Health Sciences Center, 1990-1992.
* Karrer FM (Principal Investigator), Reitz B, Hao L, Lafferty K, Harken HA: Specific immune to tolerance in transplantation. University of Colorado School of Medicine, Department of Surgery, Dean's Academic Enrichment Fund, ($2,000), 1991-1992.
* Karrer FM (Principal Investigator): Stomate valve redesign efficacy study. University of Colorado School of Medicine, 1992.
* McCalmon RT (Principal Investigator), Kortz WJ, Spees EK, Fitting F, Chan L, Karrer FM: HLA-DR matched antigen blood transfusions in kidney transplant recipients. The Center for Transplant Research, 1992.
* Howell CD (Principal Investigator), Kam I, Everson G, Karrer FM, Schröter GPJ, Barfield N, Evanish K, McGinn T: The utility of bile cytokines for the diagnosis of liver rejection in adults. Ortho Biotech and American College of Gastroenterology, 1992-1994.
* Lafferty KJ (Principal Investigator), Stegall M, Kam I, Karrer FM, Schröter GPJ: Intraportal transplantation of islets using 15-deoxyspergualin. University of Colorado and The Barbara Davis Center for Childhood Diabetes, 1993-1994
* Kam I (Principal Investigator), Schröter GPJ, Karrer FM, et al: A double-blind multicenter randomized comparative study comparing Sandimmune oral solution and OG-37-325 oral solution in the prevention of renal allograft rejection. Sandoz Pharmaceuticals, 1993-1994.
* Karrer FM (Principal Investigator): A canine model of living-related liver transplantation. University of Colorado Health Sciences Center, 1994-1995.
* Bilir BM (Principal Investigator), Karrer FM, Hanks T, Ostrowska A: Cryopreserved hepatocyte transplantation in the reversal of acute liver failure. Hepatobiliary Research Center - Pilot Feasibility Grant, NIH Grant No. P30 DK34914, 1994-1996.
* Karrer FM (Principal Investigator), Gill R. Bilir B, Ostrowska A: Immunogenicity of hepatic parenchymal calls: Investigation of in vitro and in vivo alloreactivity to isolated murine hepatocytes. Hepatobiliary Research Center, June 15, 1994 NIH Grant No. P30 DK34914, $9,000, 1994-1996.
* Karrer FM (Principal Investigator): Hepatocyte transplantation. University of Colorado School of Medicine, Department of Surgery, Dean's Academic Enrichment Fund, $16,000, 1994-1996.
* Karrer FM (Principal Investigator): Single patient compassionate use (C. Gartner 11/25/96) (C. Dick 7/8/98) and 9/8/98) botulinum toxin for hypertonic anal sphincter syndrome. Children’s Hospital Colorado, 1996-2000.
* Karrer FM (Principal Investigator), Hall RJ, Goff JS: A prospective assessment of endoscopic elastic band variceal ligation. University of Colorado Health Sciences Center, 1987-2000.
* Karrer FM (Principal Investigator), Schröter GPJ, Silverman A, Shikes R: Extrahepatic biliary atresia. University of Colorado Health Sciences Center, 1974-2000.
* Karrer FM (Principal Investigator): Hepatic porticoenterostomy (Kasai operation) for biliary atresia. 1974-2000.
* Karrer FM (Principal Investigator), Kumpe DA, Schröter GPJ: Splenic embolization in children. University of Colorado Health Sciences Center, 1982-2000.
* Karrer FM (Principal Investigator), Mayer DJ: Ophthalmology in biliary atresia and its correlation with vitamin A levels. University of Colorado Health Sciences Center, 1986-2000.
* Narkewicz M (Principal Investigator), Sokol RJ, Karrer FM, Kam I, Hambidge KM: Longitudinal study of zinc study in patients undergoing orthotopic liver transplantation. University of Colorado Health Sciences Center, 1990-2000.
* Sokol RJ (Principal Investigator), Karrer FM, Brown W, Sondheimer J, Narkewicz M, Taylor SF. Use of polymerase chain reaction to detect Reovirus III RNA in liver of children with cholestasis and bile ducts. University of Colorado Health Sciences Center, 1991- 2000.
* Narkewicz M, Sokol RJ, Karrer FM, Smith D, Butler-Simon N, Drescher A. Antioxidant in Biliary Atresia. Children’s Hospital Colorado, Denver, CO. COMIRB Protocol #99-400, Phase I/Phase II Trial of 1999 –
* COMIRB # 12-1300 Core Needle Biopsy versus Open Wedge Biopsy for Pediatric Solid Intra-Abdominal Tumors. Karrer FM.(PI)

**INVITED LECTURES, SEMINARS AND PRESENTATIONS:**

1. Pediatric Trauma. Nineteenth Annual Summer Medical Seminar, Cocinino County Medical Society, Flagstaff, Arizona, July 22, 1983.
2. Acute Fulminant Hepatic Necrosis - A Large Animal Model Using Hepatic Resection And Galactosamine. Society of University Surgeons, Resident's Meeting, Chicago, Illinois, February 8, 1984.
3. Congenital Diaphragmatic Defects Complicated by Chylothorax, Pacific Association of Pediatric Surgeons - Seventeenth Annual Meeting, San Diego, California, May 22, 1984.
4. Pediatric Surgical Trauma. Quarterly Update in Pediatrics, Denver, Colorado, March 15, 1985.
5. In Biliary Atresia, Corticosteroids are Effective Treatment for Cholangitis. Sixteenth Annual American Pediatric Surgical Association, Hawaii, May 2, 1985.
6. Liver Transplantation Under One Year of Age. Seventh Annual Pediatric Surgery Residents' Conference. Philadelphia, Pennsylvania, November 7, 1986.
7. Anorectal Malformations: Evaluation of associated spinal diastrophic syndromes. Eighteenth Annual American Pediatric Surgical Association, Hilton Head, South Carolina, May 9, 1987
8. Biliary Atresia Registry: A preliminary update. Eighth Annual Pediatric Surgery Residents' Conference, Toronto, Canada, September 27, 1987.
9. Variable Presentation of Bronchopulmonary Sequestration. XXXV Annual International Congress of the British Association of Paediatric Surgeons, Athens, Greece, September 22, 1988.
10. Surgical Jaundice in Infants and Children. Department of Pediatrics Grand Rounds, University of Colorado School of Medicine, Denver, Colorado, November 4, 1988.
11. Pediatric Liver Transplantation: What's new in 1989. Department of Pediatrics Grand Rounds, University of Colorado School of Medicine, Denver, Colorado, March 17, 1989.
12. Pediatric Liver Transplantation. Department of Pediatrics Grand Rounds, The Children's Hospital, Denver, Colorado, June 21, 1989.
13. Surgical Correction of Pediatric Birth Defects. Association of Surgical Technologists, Denver, Colorado, July 15, 1989.
14. Biliary Atresia Registry (1976-1989). American Academy of Pediatrics, Surgical Section, Chicago, Illinois, October 22, 1989.
15. Pearls of Transplantation. Department of Surgery Grand Rounds, University of Colorado School of Medicine, Denver, Colorado, January 20, 1990.
16. Liver Transplant Technique. Rocky Mountain Chapter of the American Liver Foundation, Denver, Colorado, February 17, 1990.
17. Pediatric Surgery for the General Surgeon. Horizons in Surgery, Breckenridge, Colorado, March 3, 1990.
18. Advances in Pediatric Surgery. Neonatal Conference, Penrose Community Hospital, Colorado Springs, Colorado, March 14, 1990.
19. Liver Transplant Activity in 1st Year Program at UCHSC. Colorado Chapter of the American College of Surgeons, Colorado Springs, Colorado, May 11, 1990.
20. Biliary Atresia and the Polysplenia Syndrome. XXXVII Annual International Congress of the British Association of Pediatric Surgeons, Glasgow, Scotland, July 25, 1990.
21. Contemporary Pediatric Bronchoscopy. American Academy of Pediatrics, Critical Care Section, Boston, Massachusetts, October 5, 1990.
22. Pediatric Transplantation for the Pediatric Surgeon. 11th Annual National Pediatric Surgery Residents' Conference, Chicago, Illinois, November 2, 1990.
23. Surgical Jaundice in Infancy and Childhood. Visiting Professor, Surgical Grand Rounds, University of Arizona Health Sciences Center, Tucson, Arizona, 2/16/91.
24. Surgical Health Care Should be Rationed. (Panel Discussant). Horizons in Surgery, Breckenridge, Colorado, March 7, 1991.
25. Organ Donation. Continuing Medical Education Conference, Boulder Community Hospital, Boulder, Colorado, September 6, 1991.
26. Liver Transplantation in the Newborn. Perinatal/Neonatal Education Conference, Children’s Hospital Colorado, Denver, Colorado, November 7, 1991.
27. Biliary Atresia. Iota Chapter, Phi Rho Sigma Annual Lectureship, Omaha, Nebraska, April 24, 1992.
28. Neonatal Intestinal Obstruction. Neonatal Respiratory Distress. Neonatal Cholestasis. XIII Congresso Brasileiro de Perinatologia, Recife, Brazil, November 21-26, 1992.
29. Liver Transplantation. Federal University of Pernambuco, Recife, Brazil, November 24, 1992.
30. Liver Transplantation. Association of Surgical Technologists, Denver, Colorado, October 2, 1993.
31. Portal Vein Thrombosis: Treatment of Variceal Hemorrhage by Endoscopic Variceal Ligation. American Academy of Pediatrics, Surgical Section, Washington, DC, October 29-31, 1993.
32. Fluorescein Labeling of Murine Hepatocytes for Identification after Intrahepatic Transplantation. First International Congress of Pediatric Transplantation, Minneapolis, Minnesota, August 29-September 1, 1993.
33. Pediatric Surgery for the General Surgeon. Department of Surgery Grand Rounds, University of Colorado School of Medicine, November 20, 1993.
34. Laparoscopic Surgery Beyond the Gallbladder. Panel Discussant. Horizons in Surgery, Breckenridge, Colorado, March 2, 1994.
35. Surgical Office Procedures. American Academy of Pediatrics, Spring Session, Denver, Colorado, April 24-25, 1994.
36. Neonatal Emergencies Outside the Neonatal Intensive Care Unit. American Academy of Pediatrics, Spring Session, Denver, Colorado, April 26, 1994.
37. Liver Transplantation Without Venovenous Bypass. XV World Congress of the Transplantation Society, Tokyo, Japan, August 28-September 2, 1994.
38. Portal Hypertension: Contemporary Approaches. American College of Surgeons, 81st  Annual Clinical Congress. New Orleans, LA, Oct. 22-27, 1995.
39. Choledochal Cyst. Symposium Internacional en Cirugia Pediatrica "In Memoriam" John R. Lilly, Madrid Spain, November 9-11, 1995.
40. Liver Transplantation in Biliary Atresia. Symposium Internacional en Cirugia Pediatrica "In Memoriam" John R. Lilly, Madrid Spain, November 9-11, 1995.
41. Long-Term Results with Kasai's Operation for Biliary Atresia. Western Surgical Association, Chicago, Illinois, November 12-15, 1995.Liver Tumours in Infants and Children. Paediatric Gastroenterology Symposium. Leicester, England. June 20, 1997.
42. Liver Injuries in Children. Multidisciplinary Trauma Lecture Series, Children’s Hospital Colorado, July 21, 1997.
43. Liver Transplantation in Children: Peculiar Aspects. The Brazilian College of Surgeons Meeting, Recife, Brazil, September 25, 1997.
44. Gastroesophageal Reflux. Regional Rounds, South Denver Pediatric Group January 14, 1998.
45. Ethics and Contemporary Pediatric Care: Edge of Life Decision Making, Children’s Hospital Colorado, May 8, 1998. (Panel Discussion).
46. Neonatal Surgical Emergencies, 19th Annual Perinatal Clinical Update, Children’s Hospital Colorado, May 15, 1998.
47. Driveway Crush Injuries: The Most Lethal Mechanism of Blunt Trauma in Young Children, PAPS 31st Annual meeting. June 9-13, 1998, Maui, Hawaii.
48. Abdominal Pain in Children: Collywobbles vs. Surgical Abdomen, Pediatric Surgical Dilemmas for the Primary Care Provider, The Children’s Hospital, August 28, 1998.
49. Biliary Atresia: Surgical Grand Rounds, Long Island Jewish Hospital, New York, November 2, 1998.
50. Neck Masses in Children, Pediatric Rounds, Denver General Hospital, November 12, 1998 and Children’s Hospital Colorado, November 19, 1998.
51. Neonatal Pulmonary Surgery, Neonatal Conference, Children’s Hospital Colorado, April 29, 1999.
52. Blood Utilization In Solid Organ Injuries, Pacific Association of Pediatric Ssurgeons, 32nd Annual Meeting, Beijing, China, May 9-13, 1999.
53. One Stage Posterior Sagittal Anorectoplasty (Primary PSARP) for Treatment of High Imperforate Anus, Pacific Association of Pediatric Ssurgeons, 32nd Annual Meeting, Beijing, China, May 9-13, 1999.
54. Biliary Atresia, American College of Surgeons 85th Annual Clinical Congress, San Francisco, CA, October 10-15, 1999.
55. Chest and Abdominal Injuries, Trauma Conference, Trauma Grand Rounds, Children’s Hospital Colorado, December 7, 1999.
56. Congenital Liver Lesions in the Newborn: Neonatal Conference, Children’s Hospital Colorado, December 23, 1999.
57. Abdominal Wall Abnormalities. Neonatal Conference, Children’s Hospital Colorado, June 22, 2000.
58. Interactive Session on Sports Medicine. Sports Injuries in Children and Pediatric Surgical Dilemmas. Panel Discussion. Presented by the Division of Surgery, Children’s Hospital Colorado, September 22, 2000.
59. Spinal dysraphism and anorectal malformations. Invited lecturer, Alberto Pena Surgical Treatment of Anorectal Malformations, Schneider Children’s Hospital-New York, November 13-15, 2000
60. Spinal dysraphism and anorectal malformations. Neonatal Conference, Children’s Hospital Colorado, February 22, 2001.
61. Abdominal Wall Defects. Presented at the 22nd Annual Perinatal Clinical Update – Recent Advances and Current Controversies, Children’s Hospital Colorado, May 10-11, 2001.
62. Abdominal Wall Defects. Pediatric Grand Rounds, June 20, 2001. Colodny Visiting Professor, Burlington, VT, June 20-22, 2001.
63. Surgery – Biliary Atresia: Past, Present and Future. Surgical Grand Rounds, June 21, 2001. Colodny Visiting Professor, Burlington, VT, June 20-22, 2001
64. Liver Disorders/Transplant. Presented at the 5th Annual Surgical Services Workshop, Children’s Hospital Colorado, February 9, 2002.
65. Karrer FM: Esophageal Varices. Pediatric Surgery: Esophageal Disorders and Anomalies in Infancy and Childhood, American College of Surgeons 88th Annual Clinical Congress Postgraduate Course #29, 2002
66. Teen Trauma/Accidental Death and Injuries. Presented to 7th Grade class at Horace Mann Middle School, Denver Medical Society/DPS Speakers Program. February 25, 2003.
67. What is a Pediatric Surgeon? Presented to University of Colorado Surgical Society, April 8, 2003.
68. Umbilical Peculiarities. Presented at Surgical Grand Rounds, University of Colorado School of Medicine April 11, 2005.
69. Lumps and Bumps of the Head and Neck. Presented to physicians at Littleton Adventist Hospital for the Physician Relations Lecture Series, September 19, 2006.
70. Biliary Stone Disease in Infants and Children. Presented at the 92nd Annual Clinical Congress of the American College of Surgeons, Chicago, IL, October 11, 2006.
71. Tracheoesophageal Fistula. Presented at Neonatal Noon Conference, Children’s Hospital Colorado, October 26, 2006.
72. Liver Transplantation and Liver Surgery. Presented at Pediatric Liver Update, Children’s Hospital Colorado, October 14, 2006.
73. Malrotation and Midgut Volvulus. Presented at Neonatal Noon Conference, Children’s Hospital Colorado, May 17, 2007.
74. Are We Too Focused on Splenic Salvage, 4th Ben Eiseman Lectureship. Denver Academy of Surgery, January 10, 2008.
75. Courage for the Journey, An Event for Saint Mary’s Academy Middle School Boys, January 31, 2008.
76. Infant Stomas, Presented at the Neonatal Noon Conference, Children’s Hospital Colorado, January 24, 2008.
77. Pediatric Trauma In a War Zone: Lessons Learned, Presented at Military Medicine Interest Group, University of Colorado School of Medicine, October 12, 2009.
78. Pediatric Trauma In a War Zone, Presented at Pediatric Trauma Conference, Children’s Hospital Colorado, December 10, 2009
79. Changes in Wound Care in Iraq, Presented to the Association of Perioperative Room Nurses, Presbyterian/St. Lukes Hospital, January 14, 2010.
80. Pediatric Trauma In a War Zone, Visiting Professor at Mayo Clinic, Rochester MNMay 24, 2010.
81. Biliary Atresia: Past, Present, and Future, Visiting Professor at Mayo Clinic, Rochester, MN, May 24, 2010.
82. Biliary Atresia: Past, Present and Future, Presented at Neonatal Noon Conference, Children’s Hospital Colorado, November 17, 2010.
83. Afghanistan: Lessons Learned, Presented at Multidisciplinary Trauma Conference, January 23, 2012
84. Battlefield Medicine, Presented at Eagle County EMS Trauma Mini-Conference, Eagle, CO, February 7, 2012
85. Lessons Learned in Afghanistan, Presented at the 15th Annual Perioperative Services Workshop, February 25, 2012
86. Long Gap Esophageal Atresia, Presented at Neonatal Noon Conference, April 11, 2012
87. Lessons Learned in The Battlefield, Presented at Denver Academy of Surgery, May 16th, 2013
88. Work-up of Infant with Cholestatic Jaundice, Presented at 40th Annual Pediatrics by the Sea, Amelia Island, FL, June 15th, 2013
89. Surgical Options in Cholestatic Jaundice due to Biliary Atresia & Choledochal Cysts, Presented at 40th Annual Pediatrics by the Sea, Amelia Island, FL June 15th, 2013
90. Surgical Jaundice in Infancy, Grand Rounds presentation at the 2013 University of Arizona Residents & Fellows Graduation, Tucson, AZ, Friday June 21st, 2013
91. Lessons from the Battlefield, Keynote Address at the 2013 University of Arizona Residents & Fellows Graduation, Tucson, AZ, Friday June 21st, 2013
92. Foreign Bodies, Presented at Partners in Pediatric Surgical Care Conference at Children's Hospital Colorado, Friday, September 19, 2014
93. “Is it supposed to look like that”? Stomas and Other Surgical Orifices, Presented at Partners in Pediatric Surgical Care Conference, Children's Hospital Colorado, Friday September 18, 2015
94. Hepatopulmonary Syndrome and Portopulmonary Hypertension, Invited keynote speaker for the 7th International Sendai Symposium on Biliary Atresia (ISSBA) at the 54th Annual Congress of the Japanese Society of Pediatric Surgeons (JSPS 2017), Sendai, Japan May 13, 2017
95. Pilonidal Disease, Presented at Partners in Pediatric Surgical Care Conference, Children’s Hospital Colorado, Wednesday, September 20, 2017
96. Kids and Guns, Presented at Pediatric Surgery Symposium, Children's Hospital Colorado, April 16, 2018
97. Kids and Guns, Presented at Partners in Pediatric Surgical Care Conference, Children's Hospital Colorado, September 19, 2018
98. Kids and Guns, Presented at Colorado Pediatric Trauma Conference, Children’s Hospital Colorado, November 19, 2020
99. Surgical Jaundice in Infants & Pediatric Liver Tumors, Presented at 4th Pediatric Surgery Review Course, Webinar from Saudi Arabia, June 12, 2022
100. Kids and Guns, Presented to 49th Annual Rocky Mountain Trauma and Emergency Medicine Conference,

Breckenridge, Colorado, June 6, 2023

**ABSTRACTS, LETTERS TO THE EDITOR, DISCUSSIONS:**

1. Rhenman B, Karrer FM, Buckley AR Jr, Steinbronn K, Putnam CW: Galactosamine induced hepatitis in rats: Role of recovery influenced by EACA, putreseine and DFMO (abstract). Hepatology 3:833, 1983.
2. Putnam CW, Karrer FM, Rhenman B, Schiffman RB, Steinbronn KK, Buckley AR Jr: Galactosamine hepatotoxicity and the regenerating canine liver (abstract). Falk Foundation Symposium #38, Mechanism of Hepatocyte Injury and Death, 1984.
3. Stiegmann GV, Stellin G, Karrer FM, Lilly JR: Endoscopic sclerosis of esophageal varices in children (abstract). Gastrointestinal Endoscopy 31(2):137, 1985.
4. Stellin GP, Karrer FM, Toyama WM, Lilly JR: Biliary agenesis (abstract). Hepatology 6:1218, 1986
5. Flannery AM, Karrer FM, Raffensperger JM, McLone DG: Spinal dysraphic syndrome associate with anorectal anomalies (abstract). Proceedings of the International Society for Paediatric Neurosurgery 6:13, 1987.
6. Karrer FM: The anencephalic controversy (letter to editor). Pediatrics 83(Suppl):641-642, 1989.
7. Kam I, Karrer FM, Schroter G: “Liver transplantation,” Colorado Chapter of the American College of Surgeons Meeting, May 12-13-1989, Colorado Springs, Colorado. (abstract)
8. Karrer FM and Lilly JR: Surgery for biliary atresia (letter to editor). Lancet 335(8681):110, 1990.Karrer FM: Advances in pediatric liver transplantation (discussion). Pediatric Update 1(4):10, 1990.
9. Karrer FM: Discussion of Wood RP, Langnas AN, Stratta RJ, Pillen TJ, Williams L, Lindsay S, Meliergerd D, Shaw BW: Optimal therapy for patients with biliary atresia: Portoenterostomy ("Kasai" procedures) versus primary transplantation. Journal of Pediatric Surgery 25(1):153-162, 1990.
10. Kam I, Everson G, Sokol R, Schroter G, Lawton C, Armstead V, Karrer FM: Liver transplant activity of 1st year program at UCHSC. (abstract) Colorado Chapter-American College of Surgeons. May 11-12, 1990.
11. Sokol RJ, Karrer FM, Narkewicz MR, Johnson KE, Schroter GPJ, Kam I: Use of water-soluble vitamin E to improve Cyclosporine (CS) absorption in pediatric liver transplantation patients. (abstract) Hepatology 1990; 12:865.
12. Karrer FM: Discussion of Davidoff AM, Thompson CV, Grimm JK, et al: Occult spinal dysraphism in patients with anal agenesis. Journal of Pediatric Surgery 26:1001-1005, 1991.
13. Suleymanlar I, Suleymanlar G, Chan L, Everson G, Karrer F, Schroter G, Kam I: Early postoperative renal failure predicts survival after orthotopic liver transplantation. (abstract) American Association for the Study of Liver Diseases. June 28, 1991.
14. Karrer FM and Lilly JR: Liver transplantation in children (letter to editor). British Medical Journal 304:396-397, 1992.
15. Karrer FM: Biliary atresia and the polysplenia syndrome (letter to editor). Journal of Pediatric Surgery 27(4):540, 1992.
16. Sokol RJ, Twedt D, Devereaux MW, Karrer FM, Kam I, Hambidge KM: Role of free radicals in copper hepatotoxicity: Evidence from the Bedlington terrier and Wilson’s disease patients. (abstract) 1992 AASLD Annual Meeting, Chicago, IL; Hepatology 1992; 16:159A.
17. Mandell S, Karrer FM, Everson G, Urban K, Kam I: Selective use of venous-venous bypass in liver transplantation. (abstract) 2nd Congress of the International Liver Transplantation Society, Oct 6-8, 1993.
18. Karrer FM: Discussion of Mitra SK, Rao KLN, Narasimhan KL, et al: Side-to-side lienorenal shunt (SSL) without splenectomy in non-cirrhotic portal hypertension in children. (abstract) Journal of Pediatric Surgery 28(3):401, 1993.
19. Karrer FM, Lilly JR: Correction of biliary atresia and jejunal atresia (letter to editor). Journal of Pediatric Surgery 28(8):1082-1083, 1993.
20. Sokol RJ, Devereaux MW, Narkewicz MR, Karrer FM, Kam I, Hambidge KM: Free radical alteration of hepatic mitochondrial lipids in end-stage liver disease. (abstract) Pediatric Res 1993; 33:110A. (Abstract)
21. Karrer FM: What is the correct operation in 1994 for cavernous transformation of the portal vein when operation seems mandatory? Correspondence Society of Surgeons Collected Letters 17(4):1-8, April 1994.
22. Karrer FM: Discussion of Peclet MH, Ryckman FC, Pedersen SH, et al: The spectrum of bile duct complications in pediatric liver transplantation. Journal of Pediatric Surgery 29(2):214-220, 1994.
23. Everson G, Bilir BM, Kam I, Karrer F, Mandell S, Katz J, Stegall M, Schroter G, Steinberg T: Influence of age on patient outcome and graft survival after liver transplantation. (abstract) American Association for the Study of Liver Diseases, November 11-15, 1994.
24. Sokol RJ, Narkewicz MR, Karrer FM, Smith D, Lilly JR: Use of rifampin for severe pruritus in children with chronic cholestasis. (abstract) Hepatology 20: 178A, 1994.
25. Sokol RJ, Narkewicz MR, Greene C, Karrer FM, Vladutiu GD, DiMauro S: Successful liver transplantation for fulminant hepatic failure in infants with severe lactic acidosis caused by hepatic mitochondrial electron transport defect. (abstract) Hepatology 20: 402A, 1994

26. Sokol RJ, Narkewicz MR, Greene C, Karrer FM, Vladutiu GD, DiMauro S: Successful liver transplantation for fulminant hepatic failure in infants with severe lactic acidosis caused by hepatic mitochondrial electron transport defect. (abstract) Hepatology 20: 402A, 1994.

27. Bilir BM, Durham JD, Kumpe DA, Karrer F, Hanks T, Ostrowska A, Kam I, Trujillo N, Lear J, Trouillot T, Shrestha R, Everson GT: Critical analysis of intrasplenic transplantation of cryopreserved human hepatocytes in a patient with acute liver failure. (abstract) Hepatology, 22(4):203A, 1995.

1. Bilir BM, Ostrowska A, Hanks T, Karrer F: Controlled rate freezing of hepatocytes: A step closer to human hepatocyte transplantation and human hepatocyte banking. (abstract) Hepatology, 22(4):211A, 1995.
2. Bilir BMN, Hanks T, Ostrowska A, Karrer F: Age-dependent repression of alpha 2 urinary-globulin in rat hepatocytes in reversible and influenced by the age of the organism rather than the age of the transplanted hepatocytes. (abstract) Hepatology 22(4):212A, 1995.
3. Bennet J, Bilir BM, Shrestha R, Kam I, Stegall M, Karrer F, Katz J, Mandell S, Everson GT: Recovery from central pontine myelinolysis in patients with hepatic failure and orthotopic liver transplantation. (abstract) Hepatology 22(4):394A, 1995.
4. Sokol RJ, Tyler KL, Oberhaus S, Low R, Le M, Smith D, Tyson RW, Lilly JR, Karrer FM, Narkewicz MR, Brown WR: Presence of reovirus RNA in biliary tissues of children with choledochal cysts (abstract). Hepatology 24(4):171A, 1996.
5. Sokol RJ, Tyler KL, Oberhaus S, Low R, Le M, Smith D, Tyson RW, Lilly JR, Karrer FM, Narkewicz Brown WR: Association between Reovirus RNA and childhood choledochal cysts. (abstract) Journal Pediatric Gastroenterol Nutr 1996; 23:344.
6. Stegall MD, Everson GT, Wachs M, Schroter G, Karrer FM, Bilir B, Shrestha R, Kam I: Prednisone withdrawal 14 days after adult liver transplantation with mycophenolate mofetil. (abstract) Hepatology 24(4):174A, 1996.
7. Bharadhwaj G, Everson G, Bilir B, Shrestha R, Kam I, Karrer FM, Wachs M, Stegall M, Schroter G, Steinberg T, Ford C, Beresford T: Relapse to alcohol consumption in liver transplant recipients followed for more than one year: Early analysis of a comprehensive psychosocial evaluation. (abstract) Hepatology 24(4):244A, 1996.
8. Bilir B, Durham JD, Krystal J, Karrer FM, Kumpe D, Ostrowska A, Guenette D, Trouillot T, Shrestha R, Taylor S, Kam I, Everson G: Transjugular intra-portal transplantation of cryopreserved human hepatocytes in a patient with acute liver failure. (abstract) Hepatology 24(4):308A, 1996.
9. Karrer FM: Long-term results with kasai's operation for biliary atresia (letter to the editor). Archives of Surgery 1996; 131:1235.
10. Narkewicz MR, Karrer FM, Smith D, Orban-Eller K, Krebs NF, Sokol RJ. Effect of OLT on zincuria and plasma zinc in children with liver disease. (abstract) Journal Pediatric Gastroenterol Nutr 1996; 23:352.
11. Karrer FM: Discussion of Azarow KS, Phillips J, Sandler AD, Hagerstrand I,Superina R, et al: Biliary Atresia: Should all Patients Undergo a Portoenterostomy? Journal of Pediatric Surgery 32(2): 173, 1997.
12. Agarwal R, Simpson VJ, Merritt G, Newton M, Weigers K, Karrer FM: Early extubation after pediatric liver transplantation. Pediatric Anesthesiology Meeting, Feb. 1997, San Antonio, TX. (abstract)
13. Pellegrin K, Bensard D, Karrer FM: Assessment of CT scan in diagnosing pancreatic injuries in Children. (abstract) Annual Meeting of the Colorado Chapter of the American College of Surgeons, June 12-14, 1997.
14. Trouillot TE, Stegall M, Bilir B, Shrestha R, Kam I, Schroter G, Karrer FM, Wachs M, Ford C, Steinberg T, Everson GT: Successful prednisone withdrawal after liver transplantation in patients with autoimmune chronic active hepatitis. (abstract) 15th Annual Scientific Meeting, May 10-14, 1997, and Fourth Congress International Liver Transplantation Society, October 15-17, 1997.
15. Everson GT, Bharadhwaj G, House R, Talamantes M, Bilir B, Shrestha R, Kam I, Wachs M, Karrer FM, Fey B, Ray C, Steinberg T, Morgan C, Beresford T: Liver transplantation for alcoholic liver disease: Long-term results. (abstract) 15th Annual Scientific Meeting, May 10-14, 1997 and Fourth Congress International Liver Transplantation Society, Seattle, WA, October 15-17, 1997.
16. Karrer FM, Ostrowska A, Bilir B, Stegall M, Wachs M, Gill R, Kam I: Cryopreserved hepatocytes are poor stimulators of in vitro cytotoxicity (abstract). Transplantation Proceedings, 29(1-2): 1111-2, Feb-March 1997
17. Sokol RJ, Tyler KL, Oberhaus S, Low R, Le M, Smith D, Tyson RW, Lilly JR, Karrer FM, Narkewicz MR, Brown WR: Detection of reovirus RNA by nested RT-PCR in hepatobiliary tissues of infants with biliary atresia (abstract). Gastroenterology, 112:Al386, 1997.
18. Yerushalmi B, Sokol RJ, Narkewicz MR, Smith D, Karrer, FM: Efficacy of Rifampin treatment for severe pruritus in children with chronic cholestasis. (abstract) J Pediatr Gastroenterol Nutr. 1999 Oct;29(4):442-7

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GT: Endoscopic management of biliary anastomotic strictures after orthotopic liver

transplantation. (abstract) Hepatology, 26(4): 598A October 1997.

47. Feranchak AP, Tyson RW, Narkewicz MR, Karrer FM, Sokol RJ. Successful liver

transplantation in a child with fulminant hepatic failure due to primary Epstein-Barr

infection. (abstract) Journal of Pediatric Gastroenterology Nutrition 1997; 25:480.

48. Partrick DA, Bensard DD, Moore EE, Karrer FM, Terry SJ: Ultrasound is a cost-effective triage

tool to evaluate blunt abdominal trauma in the pediatric population. (abstract) J Trauma, 45:57-63, July 1998.

49. Miga DP, Sokol RJ, MacKenzie T, Narkewicz MR, Smith D, Karrer FM, Lilly JR. Survival after

first esophageal variceal hemorrhage in children with biliary atresia. (abstract) Hepatology

1998;28: 522A.

50. Bass KD, Bensard DD, Karrer FM: Avoiding the hazards of PEG in children: Laparoscopic

gastrostomy is a safe alternative, (abstract). Annual Meeting of the Colorado Chapter of the

American College of Surgeons, Breckenridge, June 1998.

51. Barnett C, Wachs M, Karrer FM, Kam I: A novel use of the harmonic scalpel: Hepatectomy,

(abstract). Annual Meeting of the Colorado Chapter of the American College of Surgeons,

Breckenridge, June 1998

52. Miga DP, Sokol RJ, Smith D, MacKenzie T, Narkewicz MR, Lilly JR, Karrer FM: Relationship

of serum bilirubin concentration to outcome after first esophageal variceal hemorrhage in children

with biliary atresia. (abstract) Hepatology, October 1998.

53. Partrick DA, Bensard DD, Moore EE, Karrer FM, Terry SJ: A critical analysis of the operative

management of injured children at an adult level I trauma center. (abstract) Western Trauma  
Association, Annual Meeting February, 1998, Lake Louise, Alberta, Journal of Trauma 1998.\

54. Glaser S, Hemphill N, Mayer K, Rapstine T, Karrer FM, Bensard DD: Dangerous at any speed: Results of a baby walker injury prevention program in a pediatric population.(abstract). Society of Pediatric Nurses, Orlando, FL. May 1998.

55. Sokol RJ, Narkewicz MR, Rowe DT, Orban-Eller K, Christopher M, Dovel D, Kam I, Wachs M, Karrer FM: Epstein-Barr Virus (EBV) DNA levels in pediatric liver transplantation (OLT) patients. (abstract) Third International Congress on Pediatric Transplantation, July, 1998

56. Sokol RJ, Narkewicz MR, Karrer FM, Hoffenberg EJ, Sondheimer JM, Wachs ME, Kam I: Outcome of Acute Hepatic Failure in Children. (abstract) Journal Pediatric Gastroenterol Nutr. 1997; 25:48.

57. Partrick DA, Bensard DD, Moore EE, Calkins CM, Karrer FM: Cervical spine trauma in the injured child: A tragic injury with potential for salvageable functional outcome. (abstract) 33rd Annual Meeting of the Pacific Association of Pediatric Surgeons, Las Vegas, Nevada, May 15-19, 2000.

58. Grampsas SA, Koyle MA, Shames BD, Furness PD III, Karrer FM: The extraperitoneal placement of renal allografts in children less than 15 kilograms body weight. (abstract) First Congress of the International Pediatric Transplant Association, Venice, Italy, August 23-25, 2000.

59. Graham DK, Stork LC, Wei, Q, Ingram JD, Karrer FM, Lovell MA: Molecular genetic analysis of a small bowel primitive neuroectodermal tumor. (abstract) Submitted to Pediatr & Develop Path, December 21, 2000.

60. Lui E, Dobyns E, Narkewicz MR, Karrer FM, Sokol RJ: Acute hepatic failure in children: A seven year experience at a children's hospital. Hepatology 34(4): 197A, 2001

61. Hendrickson RJ, Bensard DD, Partrick DA, Calkins CM, Karrer FM, Janik JS, Offner PJ: Female Survival Advantage Following Trauma is not Observed in Prepubertal or Pubescent Children. (abstract) The Western Trauma Association 32nd Annual Scientific Meeting, Black Combe, Canada, February 24 – March 2, 2002

61. Kurbegov AC, Haas J, Mierau G, Narkewicz M, Bancroft JD, Karrer JF: Improved Liver Histology and Biliary Bile Acid Secretion and Composition Following Partial External Biliary Diversion in Patients with Progressive Familial Intrahepatic Cholestasis (abstract) American Gastroenterological Annual Meeting, San Francisco, California, May 21, 2002

62. Ricci LR, Barsness KA, Bensard DD, Partrick DA, Karrer FM, Strain JD: Letter to the editor [1] (multiple letters). Journal of Trauma – Injury, Infection and Critical Care 56 (1), 2004; 80-82, (3) 2004; 721-722.

63. Sokol RJ, Murray K, Boyd J, Thompson H, Shepherd R, Mack CL, Karrer FM, Duncan M: Upregulation of redox pathway proteins in livers from infants with parenteral nutrition-associated liver disease (PNALD). (abstract) North American Society for Pediatric Gastroenterology, Hepatology and Nutrition Annual Scientific Meeting, June, 2007.

64. Sokol RJ, Boyd J, Shepherd R, Karrer FM, Mack CL, Duncan MW: Comparative proteomic analysis of parenteral nutrition-associated liver disease (PNALD) in infants with intestinal failure. 58th Annual Meeting of the AASLD, October 2007, Hepatology Volume: 46

65. Complicated Appendicitis in Children: A Clear Role for Drainage and Delayed Appendectomy. (abstract) Southwestern Surgical Congress, 2007

66. Roach JP, Partrick DA, Bensard DD, Sirotnak AP, Handler MH, Wilkinson CC, MD, Karrer FM, Ziegler MM: Head injury pattern in children differentiates accidental from non-accidental trauma.

(abstract) Western Trauma Association, 2007.

67. Gralla J, Dovel DJ, Ford DM, Cadnapaphornchai MA, Lum GM, Karrer FM: Late Renal

Allograft Loss in Children: Influence of Age and Gender. (abstract) American Journal

Transplantation, 2009; 9: 715.

68. Wood, JH, Partrick DA, Hays T, Sauaia A, Karrer FM, Ziegler MM: Contemporary Pediatric

Splenectomy: Indications, Operative Approaches, and Clinical Outcomes. (abstract) 117th

Scientific Session of the Western Surgical Association, San Antonio, Texas, November 2009

69. Wood JH, Partrick DA, Grover TA, Karrer FM, Ziegler MM: Necrotizing Enterocolitis after

Gastroschisis Repair: Modifiable Risk Factors. (abstract) American Academy of

Pediatrics Annual Meeting, October 2010.

70. Cadnapaphornchai MA, Soranno D, Ford DM, Lum GM, Karrer FM: Characteristics and

Outcomes of Pediatric Atypical Hemolytic Uremic Syndrome at a Tertiary Care Center. (abstract)

Submitted to the American Society of Nephrology Annual Meeting, November 2010.

71. Karrer FM, Tsai T: Reducing Radiation Exposure: Clinical Features and Reliability of a

Sonographically Normal Appendix in Ruling out Pediatric Acute Appendicitis (discussion)

Western Surgical Association, November 7-10 , 2010, Chicago, Illinois

72. Superina R, Magee J, Healey P, Tiao G, Ryckman F, Karrer FM, Li Y, Moore J, Brandt ML,

Wang KS: The Anatomic Pattern of Biliary Atresia Identified At Time Of Kasai

Hepatoportoenterostomy And Early Postoperative Clearance Of Jaundice Are Significant

Predictors Of Transplant-free Survival (abstract) American Surgical Association 131st Annual

Meeting Boca Raton, FL April 14-16, 2011.

73. Brindley, SM, Lanham AM, Karrer FM, Tucker RM, Fontenot AP, Mack CL: Cytomegalovirus

specific T cell reactivity in biliary atresia at the time of diagnosis is associated with deficits in

regulatory T cells. (abstract) Hepatology. November 22, 2011.

74. Acker S, Bruny J, Narkewicz M, Roach J, Rogers A, Karrer FM: Preoperative imaging does not

predict in transhepatic involvement in choledochal cysts. (abstract) Pacific Association of Pediatric Surgeons 45th Annual Meeting. Hunter Valley Australia. April 7-11, 2013.

75. Karrer FM. Discussion of Chedid, M, Muthu C, Nyberg S, Lesnick T, Kremers W, Prieto M, Heimbach J, Chow G, Stegall M, Dean P: Living donor kidney transplantation using laparoscopically procured multiple renal artery kidneys and right kidneys. Journal of the American College of Surgeons, 2013; 217(1): 144-152. Presented at the Western Surgical Association 120th Scientific Session, Colorado Springs, CO, November 2012.

76. Conzen K, Chirichella T, Roach J, Karrer F, Wachs M: Portosystemic Shunt Ligation Improves Portal Venous Inflow in Whole Allograft Pediatric Liver Transplantation (abstract). American Transplantation Congress. 2015?

77. Karrer FM: Hepatopulmonary syndrome and portopulmonary hypertension in biliary atresia. (abstract) The 7th International Sendai Symposium on Biliary Atresia – Abstracts and Summaries of Session Chairs. May 13-14, 2017.

78. Yoeli D, Choudhury R, Sundaram S, Roach J, Karrer F, Wachs M, Adams M: Primary liver transplantation for biliary atresia: A review of the national experience. ASTS Winter Symposium 2019

79. Karrer, FM: Biliary atresia & choledochal cyst. 4th Pediatric Surgery Review Course. June 12, 2022. Presented virtually via Zoom link

80. Karrer, FM: Liver tumors – An overview. 4th Pediatric Surgery Review Course. June 12, 2022. Presented virtually via Zoom Link

81. Karrer, FM: Medical Consequences of Radiation Injury and Nuclear Warfare. Children’s Pediatric Trauma Conference, November 16-17, 2022

82. Karrer, FM: Discussion of Hill AL, Vachharajani N, Martens GR, Kiani A, Oumba F, Chapman WC, Doyle MBM, Khan AS: ABO Incompatible Liver Transplantation is Feasible for Sicker Pediatric Patients, presented at the Western Surgical Association 131st Scientific Session, Nov 4, 2023, Laguna Cliffs, CA

**POSTERS AND AUDIOVISUAL EXHIBITS:**

1. Karrer FM, Hall RJ, Stewart A, Lilly JR: Biliary Atresia Registry (poster). Pediatric Clinical Research Center Poster Session for NIH Review, University of Colorado School of Medicine, Denver, Colorado, October 12, 1987.
2. Holland RM, Stewart BA, Karrer FM, Lilly JR: Endorectal pull-through operation for massive rectal trauma in children (poster). American Pediatric Surgical Association-23rd Annual Meeting, Colorado Springs, Colorado, May 14, 1992.

3. Karrer FM, Koyle MA, Caldwell S, Stork L: Kidney salvage by portal venous decompression (poster). American Pediatric Surgical Association 23rd Annual Meeting, Colorado Springs, Colorado, May 14, 1992.

4. Karrer FM, Hall RJ, Lilly JR, Stiegmann GV: Endoscopic variceal ligation in children (poster). American Pediatric Surgical Association 23rd Annual Meeting, Colorado Springs, Colorado, May 14, 1992.

5. McIntyre RC, Lilly JR, Hall RJ, Karrer FM: Development of an animal model for ileoanal pouchitis (poster). American Pediatric Surgical Association 23rd Annual Meeting, Colorado Springs, Colorado, May 14, 1992.

1. Sokol RJ, Twedt D, Devereaux MW, Karrer FM, Kam I, Hambidge KM: Role of free radicals in copper hepatotoxicity: Evidence from the Bedlington terrier and Wilson’s disease patients. Present at Poster Session at 1992 AASLD Annual Meeting, Chicago, IL.

7. McIntyre RC, Lilly JR, Hall RJ, Karrer FM: The diaphragm in acute gastric volvulus (poster). American Pediatric Surgical Association 23rd Annual Meeting, Colorado Springs, Colorado, May 14, 1992.

8. Karrer FM, Reitz BL, Hao L, Lafferty KJ: Fluorescein labeling of murine hepatocytes for identification after intrahepatic transplantation (poster). First International Congress of the Cell Transplant Society, Pittsburgh, Pennsylvania, June 1, 1992.

1. Lilly JR, Karrer FM, Holland RM: The surgery of choledochal cyst (video). American College of Surgeons 1992 Clinical Congress, Cine Clinics Motion Picture Session.
2. Karrer FM, Kam I: Surgical therapy for portal hypertension. Transplantation (videodisc), in Durham J, Laberge, Venbrux, Darcy (eds): Portal hypertension: Diagnosis and treatment. CIRREF Videodisc II, 1992.
3. Rothenberg SS, Allshouse MJ, Holland RM, Karrer FM: Thoracoscopic rejection of an esophageal duplication cyst (video). American College of Surgeons 1993 Clinical Congress, Cine Clinics Motion Picture Session, San Francisco, October 11-15, 1993.
4. Karrer FM, Kam I, Brandt C: Budd-chiari syndrome after reduced-size liver transplantation (poster). Pediatric Transplantation, Minneapolis, Minnesota, August 29-September 1, 1993.
5. Mandell S, Karrer FM, Everson G, Urban K, Kam I: Selective use of venous-venous bypass in liver transplant (poster). International Liver Transplant Society, Toronto, Canada, October 6-8, 1993.
6. Bilir BMN, Hanks T, Ostrowska A, Karrer F: Age-dependent repression of alpha 2 urinary-globulin in rat hepatocytes in reversible and influenced by the age of the organism rather than the age of the transplanted hepatocytes (poster). 46th Annual Meeting of the American Association for the Study of Liver Diseases, Chicago, Illinois, November 3-7, 1995.
7. Bilir BM, Ostrowska A, Hanks T, Karrer F: Controlled rate freezing of hepatocytes: A step closer to human hepatocyte transplantation and human hepatocyte banking (poster). 46th Annual Meeting of the American Association for the Study of Liver Diseases, Chicago, IL, November 3-7, 1995.
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