

CURRICULUM VITAE
ROHIT KOHLI, MBBS, MS
DECEMBER, 2017

PERSONAL INFORMATION:

Work

Children's Hospital Los Angeles
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Los Angeles, CA 90027.
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EDUCATION AND PROFESSIONAL APPOINTMENTS

EDUCATION:

2004-2006 *MS in Clinical Investigation, School of Public Health, Northwestern University, Chicago, IL*
1993-1999 *MBBS, Armed Forces Medical College, University of Pune, India*

POST-GRADUATE TRAINING:

2006-2007 *Advanced Fellowship, Transplant Hepatology, Estella Alonso, Pediatrics, Children's Memorial Hospital, Northwestern University, Chicago*
2003-2006 *Fellowship, Gastroenterology, Peter Whittington, Pediatrics, Children's Memorial Hospital, Northwestern University, Chicago*
2000-2003 *Residency, Pediatrics, Sarla Inamdar, Pediatrics, Metropolitan Hospital, New York Medical College, New York*
1999 *Researcher, Pediatric Hepatology, NK Arora, Pediatrics, All India Institute of Medical Sciences, New Delhi, India*

ACADEMIC APPOINTMENTS:

2016-	<i>Associate Professor (Clinical Scholar)</i>	<i>Pediatrics, University of Southern California, Los Angeles, CA, USA</i>
2012-2016	<i>Associate Professor</i>	<i>Pediatrics, University of Cincinnati College of Medicine, Cincinnati, OH, USA</i>
2007-2012	<i>Assistant Professor</i>	<i>Pediatrics, University of Cincinnati College of Medicine, Cincinnati, OH, USA</i>

ADMINISTRATIVE APPOINTMENTS:

2017-	<i>Co-Director; Diabetes and Obesity Program (Interim)</i>	<i>Children's Hospital Los Angeles, Los Angeles, CA, USA</i>
2016-	<i>Division Chief; Gastroenterology, Hepatology, and Nutrition</i>	<i>Children's Hospital Los Angeles, Los Angeles, CA, USA</i> <i>Children's Hospital Los Angeles, Los Angeles, CA, USA</i>
2015-2016	<i>Medical Director; Liver Transplant Program</i>	<i>Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA</i>
2013-2016	<i>Medical Director; Complex Surgery and Transplant Unit</i>	<i>Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA</i>

LICENSURE, CERTIFICATIONS

LICENSURE:

2016-present 145487, Medical Board of California, Active
2016-present 4301110065, Board of Medicine, Michigan, Active
2007- present 35.090359, State Medical Board of Ohio, Active
2003-2014 036108707, State Medical Board of Illinois, Not Renewed
1999- present 18861, Medical Council of India, Active

BOARD CERTIFICATION OR ELIGIBILITY:

2010- present American Board of Pediatrics – Transplant Hepatology, Active
2009- present American Board of Pediatrics – Pediatric Gastroenterology, Active
2004-2014 American Board of Pediatrics – General Pediatrics, Not Renewed

SPECIALTY CERTIFICATION:

2015 Cincinnati Children's – Improvement Science Program (I2S2), Completed
2014 Cincinnati Children's – Core Leadership Program, Completed
2000- present Educational Commission for Foreign Medical Graduates, Active

HONORS, AWARDS:

2018	Los Angeles Magazine Top Doctors	Los Angeles, CA
2017	11 th Alex Mowat Smyposium, Invited Faculty	King's College, London, UK
2015	CCHMC Faculty Team Award	Cincinnati Children's Hospital Medical Center
2013	Society For Pediatric Research, SPR	
2008	AGA, Travel Award, Academic Skills Workshop	San Antonio, TX
2006	Travel Award, Studies of Pediatric Liver Transplantation	Toronto, Canada
2006	Best Research Presentation Children's Memorial Hospital	Chicago, IL
2006	AASLD Travel Award Children's Memorial Hospital	Chicago, IL
2004	Best Presentation Award, Regional PED GI Forum	Chicago, IL
2004	AST Travel Award, Fellow's Symposium	
2004	AASLD Travel Award	Virginia
1999	STC intrahepatic Cholestatitis Armed Forces Medical College Commendation	Pune, India

TEACHING

UNDERGRADUATE, GRADUATE AND MEDICAL STUDENT (OR OTHER) MENTORSHIP:

2005-2007	Debashish Sundi, Northwestern University Medical School	MS II-III	Hepatic Steatosis
2005-2006	Katie Kaenkumchorn, Illinois Math & Science Academy	HS Senior	AML-12 cells steatosis
2006	Kelly Conley, Michigan State University Medical School	MS I	Pi3Kinase signaling in steatosis

2010	Dana "Chelly" Dykes, MD, Cincinnati Children's Hospital	PGY-4	<i>Insulin signaling in hepatic steatosis</i>
2010-2011	Nicholas Berger, University Of Cincinnati Medical School	MS I-II	MSSRP Grant Awardee
	Samir Softic, MD Cincinnati Children's Hospital	Post-Doc	Pediatric Scientist Development <i>Program Awardee-2012</i>
2011	Kelsey Guancia, University of Cincinnati Medical School	MS I-II	MSSRP Grant Awardee
2011-12	Samar Ibrahim, MD, Cincinnati Children's	PGY-7	<i>MLK3-/- mice and NASH</i>
2012	Anna Peters, MD, PhD, Cincinnati Children's Hospital	PGY-2	AASLD Emerging Liver Scholar Awardee
2013	Nistel Mason, University of Cincinnati Medical School	MSI-II	MSSRP Grant Awardee
2013	Nayanika Challa	HS Senior	<i>In-vitro studies of steatosis</i>
2011-13	Kristin Bramlage, MD, Cincinnati Children's Hospital	PGY-5/6	<i>Mitochondrial damage in murine NASH</i>
2011-14	Scott Bolton, MD, Cincinnati Children's	PGY-1/2/3	NASPGHAN Teaching & Tomorrow, AASLD Emerging Scholars
2013-15	Minesh Patel, MD	PGY1-3	<i>Hepatitis B immunization and NASH</i>
2014	Bradon Tan, University of Cincinnati Medical School	MS I-II	MSSRP Grant Awardee
2011-14	Andriy Myronovych, MD, PhD, Cincinnati Children's Hospital	Post-Doc	<i>Sleeve Gastrectomy and Murine NASH</i>
2014	Paraj Arora	HS Junior	<i>Intestinal organoid cultures</i>
2015-18	Joy Wang, University of Cincinnati Medical School	MSII-IV	<i>Nutrition and NASH</i>
2015-17	Niviann Blondet, MD, NASPGHAN Mentee UT Southwestern	PGY5	<i>NASH in children</i>
2015-16	Amit Samba, LECOM, MSSRP Awardee	MSII-III	<i>Mitochondrial damage in murine NASH</i>
2015	Sanchi Gupta	HS Senior	<i>Intestinal organoid cultures</i>
2015	Sabrina Kaul	HS Senior	<i>RNA extraction from murine intestine post VSG</i>
2015	Sareena Kaul	HS Senior	<i>RNA extraction from murine intestine post VSG</i>
2017	Rohun Gupta	UG, CWRU	<i>RNA extraction from intestinal organoid cultures</i>
2017	Ciannah Correa	HS Senior	<i>LA-HIP Summer Intern, Regeneration of villi length post-VSG</i>
2017-Present*	Dong Xi, MD, PhD	PGY-7-9	<i>Impact of non-caloric sweeteners on NASH</i>

THESIS COMMITTEE MEMBER/APPRaiser:

2012	Marialena Mouzaki, MSc Candidate	<i>Master's Committee</i>	Division of Pediatric Gastroenterology, University of Toronto, Canada
2012	Christine Loyd, PhD candidate	<i>PhD Committee</i>	Pathobiology & Molecular Medicine, University of Cincinnati, USA
2011-15	Ali Shawki, PhD candidate	<i>PhD Committee</i>	Department of Systems Biology & Physiology, University of Cincinnati, USA

DIDACTIC TEACHING:

Keck School of Medicine, USC 2018	MS1 Lectures	2 hours semester	Lectures on Liver
Children's Hospital Los Angeles 2017 - present	Instruction in GI Endoscopic procedures	5 hours Weekly	Teaching GI Fellows GI Procedures
2017 - present	Fellow's clinic preceptor	5 hours Weekly	Supervising & Teaching GI Fellows continuity clinic
2017 - present	GI Journal Club Faculty Lecturer	1.5 hours Weekly	Lecture on various GI topics the fellows and residents
2017 – present	Noon Resident teaching	1 hour/semi annually 2 hours/day	Lecture on various topics to residents on inpatient service
2017 - present	Bedside teaching rounds	10 weeks/yr	Bedside teaching to medical students, fellows, residents

POSTGRADUATE MENTORSHIP:

2007-2009	Melanie Rhue, MD	Attending Physician, Charollete, NC
2011-2013	Kristin Bramlage, MD	Attending Physician, Cincinnati Children's, OH
2012-2014	James Squires, MD	Assistant Professor, UPMC, Pittsburgh, PA
2016-present	Jashdeep Bhattarjee, Phd	Post-Doctoral Research Fellow, CHLA
2016-present	Dong Xi, MD*	2 rd year Clinical GI Fellow, CHLA
2016-present	Shikib Mostamand, MD	2 rd year Clinical GI Fellow, CHLA
2016-present	Alauna Hersh, MD	3 rd year Clinical GI Fellow, CHLA
2016-present	Amrita Narang, MD	3 rd year Clinical GI Fellow, CHLA

SERVICE

HOSPITAL OR MEDICAL GROUP SERVICE:

2017-present	Interim Co-Director	Diabetes & Obesity Program CHLA
2017-present	Co-Chair	Physician Guiding Coalition CHLA
2016-present	Clinical Co-Lead	Powerhouse Program Initiative CHLA/CHLAMG
2016-present	Member	Department of Pediatrics Leadership Committee
2016-present	Member	CHLA Health Network Quality Committee
2014- 2016	Member	Steering Committee, Integrated Solid Organ Transplant, Cincinnati Children's Hospital Medical Center (CCHMC)

PROFESSIONAL SERVICE:

2017-	Chair, Education Committee	International Pediatric Transplant Association (IPTA)
2017-	Member, Appointment, Promotion and Tenure Committee	Department of Pediatrics, University of Southern California School of Medicine
2016- 2015	Chair, Research Committee Chair/Co-Chair, STOPNASH Symposium	NASPGHAN National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) and NASPGHAN
2014-15	Chair/Co-Chair, NASPGHAN Research Committee, Mentor-Mentee Program	North American Society for Pediatric Gastroenterology, Hepatology and Nutrition
2013-15	Chair/Co-Chair, Pediatric FSG/STC Working Group	American Association for the Study of Liver Diseases
2010- present 2015	Chair/Co-Chair, Scientific Advisory Board Member, Annual Meeting Abstract Committee	NASPGHAN Fdn: NAFLD Initiative Commonwealth Association for Pediatric Gastroenterology and Nutrition
2015	Member, Research Committee	Studies of Pediatric Liver Transplantation (SPLIT)
2014- present 2014-15	Member, Research Award Committee Member, Clinical Research Committee	American Liver Foundation American Association for the Study of Liver Diseases (AASLD)
2013-15	Member, Research Committee	NASPGHAN
2013-15	Member, Education Committee	IPTA
2011-13	Member, Pediatric FSG/STC Working Group	AASLD
2011-13	Member, Pediatric Community of Practice Website Work Group	American Society of Transplantation (AST)
2011-12	Member, Advocacy Committee	NASPGHAN
2009-12	Member, Nutrition Committee	NASPGHAN
2006	Member, Pediatric Committee	AST

CONSULTANTSHIPS AND ADVISORY BOARDS:

2017-	<i>Chair DSMB, NIH R01 on n-3 PUFA treatment for NAFLD</i>	<i>Indiana University, Indianapolis, IN</i>
2017-	<i>Consultant, NAFLD natural history in children</i>	<i>Intercept Pharmaceuticals</i>
2016-	<i>Member DSMB, Takeda SYR-322_309</i>	<i>Takeda Pharmaceuticals</i>
2012-	<i>Co-Chair, International Monitoring Advisory Board</i>	<i>Alexion Pharmaceuticals</i>
2012-14	<i>Member, Advisory Committee</i>	<i>Council for Bile Acid Deficiency Diseases</i>

PROFESSIONAL SOCIETY MEMBERSHIPS:

2015	<i>Studies in Pediatric Liver Transplantation (SPLIT)</i>
2012	<i>International Liver Transplantation Society (ILTS)</i>
2009	<i>International Pediatric Transplant Association (IPTA)</i>
2007-12	<i>The Obesity Society</i>
2003	<i>American Gastroenterology Association (AGA)</i>
2003	<i>American Association for the Study of Liver Diseases (AASLD)</i>
2003	<i>American Society of Transplantation (AST)</i>
2003	<i>North American Society of Pediatric Gastroenterology, Hepatology, and Nutrition (NASPGHAN)</i>

RESEARCH AND SCHOLARSHIP

EDITORSHIPS AND EDITORIAL BOARDS:

2017-present	Member, Editorial Board, Hepatology
2014-present	Member, Editorial Board, Pediatric Transplantation

MANUSCRIPT REVIEW:

2010-present	Hepatology
2010-present	Metabolism
2010-present	Diabetes
2010-present	Endocrinology
2010-present	Gastroenterology
2011-present	PLOS One
2011-present	Surgery for Obesity and Related Diseases
2012-present	European Journal of Endocrinology
2012-present	Liver Transplantation
2013-present	Biomedical Research International
2013-present	Journal of Cellular & Molecular Medicine
2013-present	Alimentary Pharmacology & Therapeutics
2013-present	Journal of Pediatric Gastroenterology & Nutrition
2013-present	Journal of Clinical Endo & Metabolism
2013-present	Clinical Gastroenterology & Hepatology
2013-present	Archives of Pediatrics & Adolescent Medicine
2014-present	Molecular Medicine
2014-present	Physiological Genomics
2014-present	Pediatric Transplantation
2014-present	Hepatology International
2015-present	JAMA Pediatrics
2015-present	Journal of Hepatology

SCIENTIFIC MEETING ABSTRACT REVIEW:

2017	American Gastroenterology Association, American Association for the Study of Liver Diseases, NASPGHAN
2016	American Gastroenterology Association, American Association for the Study of Liver Diseases, NASPGHAN
2015	CAPGAN, American Gastroenterology Association, American Association for the Study of Liver Diseases, NASPGHAN
2014	American Gastroenterology Association, American Association for the Study of Liver Diseases, NASPGHAN
2013	American Gastroenterology Association, The Obesity Society
2012	NASPGHAN
2011	The Obesity Society, NASPGHAN

GRANT REVIEWS:

2017	<i>Annual Research Grant Program</i>	NASPGHAN Foundation, 714 North Bethlehem Pike, Ambler, PA 19002
2016	<i>IAR Study Section</i>	ZRG1 EMNR- CADO, Center for Scientific Review (CSR) at NIH
2016	<i>Annual Research Grant Program</i>	The Netherlands Organization for Health Research Development (ZonMw)
2016	<i>Grant Program</i>	Swiss National Grant Foundation, Wildhainweg 3, P.O. Box CH-3001 Bern, Switzerland
2016	<i>Annual Research Grant Program</i>	NASPGHAN Foundation, 714 North Bethlehem Pike, Ambler, PA 19002
2016	<i>Pilot and Feasibility Grant Program</i>	NIH Cincinnati Digestive Health Center, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA
2015	<i>CIDO reviews grant applications submitted for the NIH Research Project Grant Parent R01/R21</i>	Clinical and Integrative Diabetes and Obesity (CIDO) Study Section in the CSR at NIH, Bethesda, MD, USA
2015	<i>Annual Research Grant Program</i>	American Liver Foundation, 921 E 86th St Ste 150, Indianapolis, IN 46240
2015	<i>Annual Research Grant Program</i>	NASPGHAN Foundation: Annual Research Grant Program
2015	<i>Grant Program</i>	Trustee and Proctor Scholar Grant Mechanisms, CCHMC, Cincinnati, OH, USA
2014	<i>Outstanding New Environmental Scientist (ONES) Award (R01)</i>	National Institute of Environmental Health Sciences Division of Extramural Research, NIH, Bethesda, MD, USA
2014	<i>Annual Research Grant Program</i>	NASPGHAN Foundation, 714 North Bethlehem Pike, Ambler, PA 19002
2014	<i>Annual Research Grant Program</i>	Physicians' Services Incorporated Foundation, Ontario, Canada
2014	<i>MRC2 Pilot & Feasibility Study Grant Program</i>	University of Michigan, Ann Arbor, Michigan, USA

2013	Mid-Atlantic NORC University of Maryland, College Park, Maryland, USA Pilot and Feasibility Grant Program	
2012	Annual Research Grant Program	NASPGHAN Foundation, 714 North Bethlehem Pike, Ambler, PA 19002
2011	Annual Research Grant Program	NASPGHAN Foundation, 714 North Bethlehem Pike, Ambler, PA 19002
2011	Pilot and Feasibility Grant Program:	NIH Cincinnati Digestive Health Center, Cincinnati Children's Hospital Medical Center, Cincinnati, Ohio, USA
2010	Annual Research Grant Program	Thrasher Research Fund: Salt Lake City, Utah, USA
2010	Pilot and Feasibility Grant Program	Lipid and Atherosclerosis Studies, University of Cincinnati, Cincinnati, Ohio, USA
2010	Pilot and Feasibility Grant Program	NIH Cincinnati Digestive Health Center, Cincinnati, OH, USA
2010	Pilot and Feasibility Grants	Digestive Health Center, Cincinnati Children's Hospital Medical Center, Cincinnati, Ohio, USA

MAJOR AREAS OF RESEARCH INTEREST

Research Areas

1. Bile acid signaling post-bariatric surgery
2. Pathogenesis of obesity related fatty liver disease

GRANT SUPPORT:

SUBMITTED

1 T32 DK116683-01 NIH appl ID: 9491619 Dates of Award: 2018-2023
 Title: Joint Training Program for Pediatric and Adult Gastroenterology, and Liver Scientists
 Role: Principal Investigator
 Total Costs: \$1,881,370.00

KSOM Dean's Pilot Award (PI-Chatzi) Dates of Award: 2018-2019
 Title: Developmental origins of child liver injury: the effect of early life environmental exposures
 Role: Co-I
 Total Costs: \$37,500.00

CURRENT

R01DK100314 (PI-Kohli) Dates of Award: 2015-2020
 Agency NIH R01 Percent Effort 4.8 Calendar months
 Title: NAFLD Improvement after Bariatric Surgery.
 Description: This grant will examine the effect of a specific bile acid triggered intestinal signal, fibroblast growth factor 15/19 (Fgf15/19).
 Role: Principal Investigator
 Total Direct Costs: \$289,113

5P01ES022845 (Co-I) Dates of Award: 2013-2018
 Title: Southern California Children's Environmental Health Center : Developmental origins of child liver injury: the effect of early life environmental exposures
 Role: Co-I/Pediatric Health Specialist
 Total Costs: \$716,485

PAST

- Grant No. N/A (PI-Kohli) Dates of Award: 2015-2016
Agency: Raptor Pharmaceuticals Percent Effort 0.4 Calendar Months
Title: Coenzyme Q as a biomarker for NASH
Description: The goal of this is to establish whether alterations in plasma levels of total Coenzyme Q10, Oxidized UQH(ox) and Reduced UQH2(red) predict the severity of NASH.
Role: Principal Investigator
Total Direct Costs: \$186,033
- Grant No. W81XWH-15-1-0370 (PI-Gandhi) Dates of Award: 2015-2017
Agency: Department of Defense Grant Percent Effort 0.4 Calendar Months
Title: Mechanisms of NASH
Description: The goal of this investigation is to define the mechanisms of the development of NASH due to deficiency of ALR. It will also determine the defect(s) in the ALR gene that may subject them to be susceptible to develop aggressive NASH, cirrhosis and end-stage liver disease.
Role: Co-Investigator
Total Direct Costs: \$397,845
- Grant No. (PI-McCullough) NIH-NIDDK- U01 DK061732 Dates of Award: 2009-2019
Agency: NASH Clinical Research Network (NASH CRN) Percent Effort 1.2 Calendar Months
Title: Clinical Research Network in Non-Alcoholic Steatohepatitis
Description: This multi-center clinical research network will conduct research related to clinical features, risk factors, pathogenesis, natural history and treatment of nonalcoholic steatohepatitis in children and adults.
Role: Site PI
Total Direct Costs: \$176,461
- Grant No. N/A (PI-Kohli) Dates of Award: 2013-2014
Agency: CCHMC Research Innovation and Pilot Funding Award Percent Effort 2.4 Calendar Months
Title: The Role of Bile Acids in Bariatric Surgery Fatty Liver Improvement After Murine VSG
Description This pilot grant award from Cincinnati Children's Research Foundation will support study of role SHP signaling after vertical sleeve gastrectomy.
Role: Principal Investigator
Total Direct Costs \$75,000
- Grant No. (PI-Kohli): NIH-NIDDK- 1K08DK084310 Dates of Award: 2009-2013
Agency: The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) Percent Effort 9 Calendar Months
Title: Mentored Clinical Scientist Research Career Development Award,
Description: The specific aims of this proposal examine the mechanistic links between bile acid entero-hepatic circulation and cholesterol absorption, sensing, and endogenous production in a rat bariatric surgery model.
Role: Principal Investigator
Total Direct Costs \$139,300

Grant No. N/A (PI-Kohli) Dates of Award: 2011-2012
Agency: Cincinnati Center for Clinical and Translational Science and Training Percent Effort 0.6 Calendar Months
Title: ApoA1 as a novel drug target for the metabolic syndrome
Description This CTSA Pilot and feasibility award provides research support for mechanistic experiments on the role of ApoA1 as a novel drug target in diabetes and steatohepatitis.
Role: Principal Investigator
Total Direct Costs \$75,000

Grant No. (PI): PHS Grant P30 DK078392 Dates of Award: 2010-2011
Agency: NIH NIDDK- Cincinnati Digestive Health Center Percent Effort
Title: Pilot and Feasibility Grant Award
Description Coenzyme Q as a Novel Biomarker for the Severity of Steatohepatitis
Role: Principal Investigator (Kohli-Xanthakos)
Total Direct Costs \$50,000

Grant No. N/A (PI-Kohli) Dates of Award: 2007-2009
Agency: NASPGHAN Foundation, Youngstown, Pennsylvania Percent Effort 2.4 Calendar Months
Title: George Ferry Young Investigator Career Development Award
Role of ileum of comorbidities of obesity
Role: Principal Investigator
Total Direct Costs \$75000

Grant No. (PI-Kohli): NICHD K12 HD02882 Dates of Award: 2007-2009
Agency: National Institutes of Health, Bethesda, Maryland Percent Effort 2.4 Calendar Months
Title: Child Health Research Career Development Grant
Description: Ileal Transposition in NASH
Role: Principal Investigator
Total Direct Costs \$75000

Grant No. N/A (PI-Kohli) Dates of Award: 2006-2007
Agency: American Association for the Study of Liver Diseases Percent Effort 12 Calendar Months
Title: Advanced Hepatology Fellowship Grant
Description: Advanced Hepatology Fellowship
Role: Principal Investigator
Total Direct Costs \$60000

Grant No. N/A (PI-Kohli) Dates of Award: 2004-2005
Agency: Children's Research Foundation Percent Effort 0.5 Calendar Months
Title: Research Award
Description Role of mitochondria in NASH
Role: Principal Investigator
Total Direct Costs \$2500

Grant No. N/A (PI-Kohli)

Dates of Award: 1996-1997

Agency: Indian Council of Medical Research

Percent Effort 0.5 Calendar months

Title: Medical Student Summer Research Scholarship

Description Comparison of IM vs. PCA Analgesia for post-operative pain relief

Role: Principal Investigator

Total Direct Costs \$100

Grant No. N/A (PI-Obici)

Dates of Award: 2012-2014

Agency

Percent Effort 0.6 calendar months

Title: Cincinnati Diabetes and Obesity Center Pilot Grant Award

Description

Role: Co-Investigator

Total Direct Costs \$25000

Grant No. (PI-Seeley)

Dates of Award: 2010-2014

Agency: Ethicon Endosurgery

Percent Effort 0.6 Calendar months

Title: Research Grant Award

Description The goal of this study is develop and validate the use of small animal models of Bariatric surgery in order to determine the mechanistic role of bile acids and other metabolic signals behind improvements seen after Bariatric surgery.

Role: Co-Investigator

Total Direct Costs \$100,000

ISSUED AND PENDING PATENTS:

Patent Holder Names:

R Kohli, S Xanthakos, M Miles.

Title: Biomarkers and Methods for Determining Disease Progression in Nonalcoholic Steatohepatitis (NASH).

Institution: Cincinnati Children's Hospital Medical Center.

USPTO US Patent and Trademark Serial No. Application

#20110212468; 13/014,580; Patent Allowed July 2014

INVITED LECTURES, SYMPOSIA, KEYNOTE ADDRESSES

<i>Year</i>	<i>Type</i>	<i>Title, Location</i>
2008	Lecture-National	<i>Invited Speaker, CDHNF-NASPGHAN 10th Anniversary Conference, Ileal Transportation reduces obesity related co-morbidities, San Diego, CA</i>
2008	Lecture-International	<i>World Congress of Pediatric Gastroenterology, Hepatology, Nutrition, Iguassu Falls, Brazil Diagnostic paradigms in steatohepatitis</i>
2009	Lecture-International	<i>Invited Speaker, Institute for Liver & Biliary Sciences, Nonalcoholic Fatty Liver Disease, New Delhi, India</i>
2009	Lecture-International	<i>Invited Speaker, 5th International Pediatric Transplant Congress: Hyponatremia Increases Mortality in Pediatric Patients listed for Liver Transplant, Istanbul, Turkey</i>
2009	Lecture-Local	<i>Invited Speaker, Neuroendocrinology of Obesity and Stress Seminar Series, University of Cincinnati, OH</i>
2010	Lecture-National	<i>Annual Meeting NASPGHAN, Co-Chair Nutrition Session, New Orleans</i>
2010	Lecture-National	<i>Annual Meeting AASLD, Co-Moderator Parallel Session, Boston, MA</i>
2010	Lecture-International	<i>20th Annual Pediatric Gastroenterology, Hepatology & Nutrition Conference, Post Graduate Institute of Medical Education & Research, Chandigarh, India</i>
2010	Lecture-Local	<i>Invited Speaker, Department Gastroenterology Research Seminar Series, University of Cincinnati, Nonalcoholic Fatty Liver Disease, Cincinnati, OH</i>
2010	Lecture-National	<i>Invited Speaker, Chacha Nehru Bal Chikitsalya, Complications of Chronic Liver Disease in Children, New Delhi, India</i>
2010	Lecture-Local	<i>Invited Speaker, Digestive Health Center Seminar Series, CoEnzyme Q in Pathogenesis of NAFLD, University of Cincinnati, Cincinnati, OH</i>
2010	Lecture-International	<i>Invited Speaker, Type 2 Diabetes Meeting, Johnson & Johnson, Increased frequency of bile acid cycling causes T2DM remission and excess weight loss, New Delhi, India</i>
2011	Lecture-National	<i>Invited Speaker and Session Moderator, Ethicon Endo Surgery's Metabolic Applied Research Strategy Annual Meeting, Massachusetts General Hospital, Boston, MA</i>
2011	Lecture-Local	<i>Invited Speaker, Cincinnati Diabetes & Obesity Center Research Retreat, Insulin Signaling & Fact Transport in the Liver, Cincinnati, OH</i>
2011	Lecture-Local	<i>Invited Speaker, Fluxes and Barriers Research Seminar Series, Department of Physiology, University of Cincinnati College of Medicine, Cincinnati, OH</i>
2011	Lecture-National	<i>Invited Speaker, Department of Pediatric Gastroenterology, Yale University school of Medicine, The Role of Bile Acids in Bariatric Surgery, New Haven, CT</i>
2011	Symposium-National	<i>Invited Speaker, Ethicon Endosurgery Sponsored Symposium at American Society of Metabolic and Bariatric Surgery Annual Meeting, Ileal Interposition to new Procedure Development, Orlando, FL</i>
2012	Lecture	<i>Faculty Early Morning Workshop, AASLD, NASH: Diagnosis & Management, Boston, MA</i>
2012	Lecture	<i>Invited Speaker, Annual NASPGHAN Scientific Meeting, Nonalcoholic Fatty Liver Disease in Children, Salt Lake City, UT</i>
2012	Lecture	<i>Invited Speaker, Annual Clinic Days, Wayne State University, Nonalcoholic Fatty Liver in Children, Detroit, MI</i>
2012	Lecture-International	<i>Invited Speaker, Paediatric Liver GI Nutrition Center, King's College Hospital, Nonalcoholic Fatty Liver Disease and Bariatric Surgery in Children, London, UK</i>
2012	Symposium-National	<i>Invited Speaker, Digestive Diseases Week, Mechanisms of Bariatric Surgery: Research Symposium, American Gastroenterology Association, San Diego, CA</i>
2012	Lecture	<i>Invited Speaker, Department of Pediatrics Grand Rounds, Cincinnati Children's Hospital Medical Center, Liver Disease as Complication of Obesity, Cincinnati, OH</i>
2013	Symposium-National	<i>Annual Meeting of the AGA, Co-moderator: Research Symposium, Orlando, FL</i>
2013	Lecture-National	<i>NASPGHAN Annual Meeting, Co-Chair Nutrition Session, Chicago, IL</i>
2013	Lecture-National	<i>Annual Meeting of AASLD, Co-Director, Focused Study Group, Selected Controversies in Adult & Pediatric NAFLD & NASH, Washington, DC</i>
2013	Lecture-Local	<i>Invited Speaker, Department of Dietetics, Christ Hospital, Nonalcoholic Fatty Liver Disease in Children, Cincinnati, OH</i>

2013	Lecture-National	Invited Speaker, Department of Pediatric Gastroenterology, University of California, Living Related Liver Transplantation, Ca Children Do Without? San Diego, CA
2013	Lecture-Local	Invited Speaker, Metabolic Diseases Institute Colloquium, University of Cincinnati: Can Bile Acids Replace Bariatric Surgery, Cincinnati, OH
2013	Lecture-National	Invited Speaker, Synageva Sponsored Satellite Breakfast Symposium at NASPGHAN: Fatty Liver Disease: It's Not All Related to Obesity
2013	Lecture-National	Invited Speaker, 23 rd Annual Pediatric Gastroenterology, Hepatology & Nutrition Conference, Mitochondrial Hepatopathies: Are Hepatologists missing it? Pune, India
2013	Lecture-Local	Invited Speaker, 2013 Pediatric Residents' Noon Conference, Cincinnati Children's Hospital Medical Center, Nonalcoholic Fatty Liver Disease in Children, Cincinnati, OH
2013	Symposium-National	Invited Speaker, 2013 Digestive Diseases Week, Luminal Regulators of Weight and Metabolic Function: Research Symposium, AGA: Can Bile Acids Replace Bariatric Surgery, Orlando, FL
2013	Lecture-National	Invited Speaker, 2013 Visiting Young Investigators Series- Baylor College of Medicine, Bariatric Surgery & NASH: The role of bile acids and FXR-SHP signaling, Houston, TX
2014	Lecture-Local	Invited Speaker, 2014 Bone Marrow Transplant and Immune Deficiency Seminar Series, CCHMC. NAFLD: should we be screening after cancer treatment? Cincinnati, OH
2014	Lecture-Local	Medical Student Lecturer, 2014 3 rd Year Medical Students, University of Cincinnati College of Medicine, Treating Obesity with Bariatric Surgery-what does bile have to do with it? Cincinnati, OH
2014	Lecture-Local	Invited Speaker, The Surgical Weight Loss Program for Teens Annual CME Course, Cincinnati Children's Hospital Medical Center, Mechanisms of Bariatric Surgery, Cincinnati, OH
2014	Lecture-National	Invited Speaker, Department of Pediatrics Grand Rounds, Wayne State University, Liver Disease as a Complication of Obesity, Detroit, MI
2014	Symposium-National	Invited Speaker, 14 th Annual Levine Diabetes & Obesity Symposium Digestive, City of Hope, Perspectives on the improvements of bariatric surgery, Pasadena, CA
2014	Lecture-National	Annual Meeting of AGA, Co-moderator, Session Clinical Implications of Disease Mechanisms in NASH, Chicago, IL
2014	Lecture-International	Moderator, Pediatric Session, ILTS Annual Meeting, London, Germany, U.K.
2014	Lecture-National	Annual Meeting of AASLD, Co-moderator: Early Morning Workshop: NASH-Diagnosis & Management, Boston, MA
2014	Symposium-Local	Invited Speaker, 4 th Annual Cincinnati Diabetes & Obesity Center Symposium, Mechanisms of metabolic improves after bariatric surgery, Cincinnati, OH
2014	Lecture-National	Invited Speaker, Disease Week, The Biology of Bariatric Surgery, Translational Symposium-AGA: Bile Acids & the Regulation of Energy Balance, Role of SHP in NAFLD improvement after VSG in obese mice, Chicago, IL
2014	Lecture-National	Invited Speaker, Department of Pediatrics Grand Rounds, University of Florida, Liver Disease as a Complication of Obesity, Gainesville, FL
2014	Lecture-National	Invited Speaker, Annual NASPGHAN Scientific Meeting, NASH Trick or Treat? Atlanta, GA
2015	Symposium-National	Digestive Disease Week, Co-moderator, Translational Symposium, Research Symposium, Washington, DC
2015	Lecture-National	Pediatric Session ILTS Annual Meeting, Moderator, Chicago, IL
2015	Lecture-National	Visiting Professor & Invited Speaker, University of Arizona, Mechanisms of Bariatric Surgery: Role of FGF19 Signaling, Phoenix, AZ
2015	Lecture-National	Visiting Professor & Invited Speaker, University of Southern California, Children's Hospital Los Angeles, Role of FGF19-FXR Signaling in Bariatric Surgery Outcomes, Los Angeles, CA
2015	Lecture-National	Invited Faculty & Speaker, NASPGHAN First Year's Fellows's Conference, Using a research project to launch your career, Weston, FL
2015	Lecture-International	Invited Faculty & Speaker, Bile Diversion as a treatment for Obesity: Ben Gurion University, Beer Sheva, Israel

2015	Lecture-International	Visiting Professor & Speaker, Fatty Liver Disease in Children, NASH in Children, Sheba Medical Center, Tel Aviv, Israel
2015	Lecture-Local	Invited Speaker, Cincinnati Children's Endocrine Research Forum Bariatric Surgery Outcomes: What's Bile to go with it? Cincinnati, OH
2015	Lecture-Local	20 th Annual Studies in Pediatric Liver Transplantation (SPLIT) Conference, Challenges of Patient Selection in Pediatric Liver Transplantation, Cincinnati, OH
2015	Lecture-International	Visiting Professor, Invited Speaker Fudan University Children's Hospital Shanghai, China, Shanghai Medical Association Conference Hall, NASH & Bariatric Surgery: The Role of Bile Acid signaling, Shanghai, China
2015	Lecture-International	Visiting Professor, Mubarak Al-Kabir Hospital, Kuwait City, Kuwait
2015	Lecture-International	Invited Faculty & Speaker, 14h Scientific Meeting of the Commonwealth Association of Pediatric Gastroenterology & Nutrition (CAPGAN) Pediatric NASH-time for action now, New Delhi, India
2015	Symposium-National	Invited Faculty & Speaker, NASPGHAN, Single Topic STOPNASH Symposium, NASH-What's Bile got to do with it? Takeda Research Grant Award Scientific Report presentation, Washington, DC
2015	Lecture-National	Invited Professor & Invited Speaker, Children's Center for Transplantation and Immune mediated Disorders, (CTID) lecture series, Bariatric Surgery: What Does Bile Have to Do with it? Emory University, Atlanta, GA
2015	Symposium-National	NASPGHAN Annual Meeting, Course Director, Single Topic Symposium, Co-moderator, Washington, DC
2016	Lecture-National	Digestive Disease Week, Co-moderator-Obesity Basic Studies, San Diego, CA
2016	Lecture-International	Invited Faculty & Speaker, PGHTNCON, NIMS University, NASH in Children, Jaipur, India
2016	Lecture-International	Invited Faculty & Speaker, Arab Health Conference, Gastroenterology Conference: NASH in Children, Pediatric Conference: Liver Transplant for the Practitioner, Dubai, UAE
2016	Lecture-Local	Faculty Speaker, Emerging Concepts in Targeting Common Metabolic Diseases, Graduate Program in Pharmacology Studies. Concept of Bariatric Surgery for Treatment of Obesity/Diabetes, University of Cincinnati, Cincinnati, OH
2016	Lecture-National	Invited Faculty & Speaker, Pediatric Liver Transplantation-Looking Beyond Survival. Narayan Health City, Antibody Mediated Rejection-The New Kind of the Block, Bangalore, India
2016	Lecture-National	Invited Speaker, Digestive Diseases Week, Diet & Metabolic Regulation in Obesity, Insulin Resistance & NAFLD, San Diego, CA
2016	Lecture-National	Invited Speaker, Southeastern, Neonatal/Pediatric Nutrition Conference, NASH in Children-What can one practitioner do? Wilmington, NC
2016	Lecture-Local	Invited Speaker, Pediatric Grand Rounds, Children's Hospital Los Angeles, Bariatric Surgery for Adolescents: Is it time? Los Angeles, CA
2016	Lecture-Local	Invited Speaker, Grand Rounds Lecture, Providence Tarzana Medical Center, Liver Disease and Obesity, Tarzana, CA
2016	Lecture-National	Invited Speaker, Nutrition Conference, Coastal Children's Services, PLLC, Fatty Liver Disease in Children: What can one Practitioner Do? Wilmington, NC
2016	Symposium-National	Invited Moderator, AASLD Live Meeting 2016/NASPGHAN Pediatric Symposium, Session III: Childhood Liver Injury and Repair, Boston
2016	Lecture-Local	Invited Speaker, Join Lab Meeting: Bile Acid & Obesity Seminar, Role of Bile Acid Signaling in Bariatric Surgery Outcomes: Keck School of Medicine, Los Angeles, CA
2017	Lecture-National	Invited Faculty & Speaker, IPTA Annual Meeting- Co-Director Post Graduate Course, Barcelona, Spain
2017	Lecture-National	Invited Speaker, American Society for Parenteral & Enteral Nutrition (ASPEN) Role of FGF19-FXR Signaling in Bariatric Surgery Outcomes, Orlando, FL
2017	Symposium-International	Invited Speaker, Alex Mowat Symposium, EBV disease in post-liver transplant children, King's College London, UK

2017	Lecture-International	Invited Speaker, Biannual meeting of the International Pediatric Transplant Association (IPTA) Donor selection, organ retrieval, pediatric transplant operation-liver, Barcelona, Spain
2017	Lecture-National	Invited Speaker, Non-Cholestatic Liver Disease in Children, NASPGHAN Annual Meeting, Las Vegas, NV
2018	Lecture-International	Invited Speaker, Mechanisms of NASH in Children, Annual Meeting of the Asia Pacific Society for the Study of Liver Diseases (APASL) New Delhi, India
2018	Lecture-National	Invited Speaker, Pediatric Potpourri: State of the Art, American Academy of Pediatrics, Maui, Hawaii
2018	Symposium-International	Symposium Organizer and Speaker , Biannual IPTA Fellow's Meeting, Cosa Rica
2018	Lecture-International	Invited Speaker, Bile Acids and Bariatric Surgery, Sick Kids Children's Hospital, Toronto, Canada

PUBLICATIONS:

* INDICATES TRAINEES

** INDICATE CO-FIRST OR CO-CORRESPONDING OR SENIOR AUTHORS

REFEREED JOURNAL ARTICLES

1. Arora NK, **Kohli R**, Work up of an infant with neonatal cholestasis in an Indian setup. Journal of the Indian Association of Pediatric Surgeons 1999; 4:73-80.
Role: Data collection and analysis
2. Arora NK, **Kohli R**, Gupta DK, Bal CS, Gupta AK, Gupta, SD. Hepatic technetium-99m-mebrofenin iminodiacetate scans and serum gamma-glutamyl transpeptidase levels interpreted in series to differentiate between extrahepatic biliary atresia and neonatal hepatitis. Acta Paediatrica 2001; 90(9): 975-81.
Role: Data collection and analysis
3. Arora NK, Ganguly S, Agadi SN, Irshad M, **Kohli R**, Deo M, Paul VK, Deorathir AK, Chellani H, Prasad MS, Sharma D. Hepatitis B immunization in low birth weight infants: do they need an additional dose? Acta Paediatrica 2002; 91(9): 995-1001.
Role: Data collection and analysis
4. Sahai A, Pan X, Paul R, Malladi P, **Kohli R**, Whittington PF. Roles of phosphatidylinositol 3-kinase and osteopontin in steatosis and aminotransferase release by hepatocytes treated with methionine-choline deficient medium. Am J Physiol 2006; 291: G55-G62.
Role: Experimental planning, execution and writing
5. Wainwright MS, **Kohli R**, Whittington PF, Chase D. Carnitine treatment inhibits increases in cerebral carnitine esters and glutamate detected by mass spec following hypoxia-ischemia in newborn rats. Stroke 2006; 37; 524-530.
Role: Experimental planning, execution and writing
6. **Kohli R**, Pan X, Malladi P, Wainwright MS, Whittington PF. Mitochondrial reactive oxygen species signal hepatocyte steatosis by regulating the PI 3-kinase cell survival pathway. J Biol Chem 2007 282: 21327-21336.
Role: Experimental planning, execution and writing
7. Carter-Kent C, Brunt EM, Xanthakos SA, **Kohli R**, Whittington PF, Angulo P, Feldstein AE. Nonalcoholic steatohepatitis in children: a multicenter clinicopathological study. Hepatology 2009 Oct; 50(4):1113-20.
Role: Study design, execution and writing
8. **Kohli R**, Kirby M, Xanthakos SA, Softic S*, Feldstein AE, Saxena V, Tang PH, Miles L, Miles MV, Balistreri WF, Woods SC, Seeley RJ. High-Fructose-Diet Induces Hepatic Fibrosis and Elevates Plasma Oxidized Coenzyme Q9 in a Novel Murine Model of Obesity and NASH. Hepatology 2010 Sep; 52(3):934-44.
Role: Experimental planning, execution and writing

9. **Kohli R**, Kirby M, Setchell KDR, Jha P, Klustaitis K, Woollett LA, Pfluger PT, Balistreri WF, Tso P, Jandacek RJ, Woods SC, Heubi JE, Tschoep MH, D'Alessio DA, Shroyer NF, Seeley RJ. Intestinal adaptation after ileal interposition surgery increases bile acid recycling and protects against obesity related co-morbidities. *Am J Physio* 2010 Sep; 299: G652 - G660.
Role: Experimental planning, execution and writing
10. Carter-Kent C, Brunt EM, Xanthakos SA, **Kohli R**, Whittington PF, Angulo P, Feldstein AE. Relations of Steatosis Type, Grade, and Zonality to Histological Features in Pediatric Nonalcoholic Fatty Liver Disease. *J Pediatr Gastroenterol Nutr* 2011 Feb;52(2):190-197.
Role: Study design, execution and writing
11. Foster MT, Shi H, Softic S*, **Kohli R**, Seeley RJ and Woods SC. Transplantation of non-visceral fat to the visceral cavity improves glucose tolerance in mice: investigation of hepatic lipids and insulin sensitivity. *Diabetologia*, 2011 Nov;54(11):2890-9.
Role: Experimental planning, execution and writing
12. Bedel A*, Hemmelgarn T, **Kohli R**. Retrospective review of the incidence of cytomegalovirus infection and disease after liver transplantation in pediatric patients: Comparison of prophylactic oral ganciclovir and oral valganciclovir. *Liv Transpl* 2012 Mar;18(3):347-54.
Role: Study design, execution and writing
13. Softic S*, Kirby M, Berger N, Shroyer N, Woods SC, **Kohli R**. Insulin Concentration Modulates Hepatic Lipid Accumulation in Mice in part via Transcriptional Regulation of Fatty Acid Transport Proteins. *PLOS One*, 2012;7(6):e38952.
Role: Experimental planning, execution and writing
14. Gaitonde S, **Kohli R**, Seeley RJ. The role of the gut hormone GLP-1 in the metabolic improvements caused by Ileal Transposition. *J of Surg Res* 2012 Nov; 178(33-39).
Role: Experimental planning, execution and writing
15. Ryan KK, **Kohli R**, Gutierrez-Aguilar R, Gaitonde SG, Woods SC, Seeley RJ. Fibroblast growth factor-19 action in the brain reduces food intake and body weight and improves glucose tolerance in rats. *Endocrinology*, 2013 Jan;154(1):9-15.
Role: Experimental planning, execution and writing
16. **Kohli R****, Bradley D**, Setchell KDR, Eagon C, Klein S. Weight loss induced by Roux-en-Y gastric bypass but not laparoscopic adjustable gastric banding increases circulating bile acids. *J Clin Endo Metab*, 2013 Apr;98(4):E708-12.
Role: Experimental planning, execution and writing
17. DeVore S*, **Kohli R***, Lake K, Nicholas L, Dietrich K, Balistreri WF, Xanthakos SA. A Multidisciplinary Clinical Program is Effective in Stabilizing BMI and Reducing Transaminase Levels in Pediatric Patients with NAFLD. *J Pediatr Gastroenterol Nutr*, 2013 Jul;57(1):119-123.
Role: Study design, execution and writing
18. Foster M, Softic S*, Caldwell J, **Kohli R**, de Kloet A, and Seeley RJ. Subcutaneous Adipose Tissue Transplantation in Diet-Induced Obese Mice Attenuates Metabolic Dysregulation While Removal Exacerbates It. *Physiological Reports*; 2013 Aug;1(2). pii: e00015.
Role: Experimental planning, execution and writing
19. Gadang V, **Kohli R**, Myronovych A*, Hui D, Perez-Tilve D, Jaeschke A. MLK3 promotes the development of metabolic dysfunction induced by saturated fatty acid-enriched diet. *Am J Physiol Endocrinol Metab*. 2013 Aug;305(4):E549-56.
Role: Experimental planning, execution and writing
20. **Kohli R**, Setchell KDR, Kirby M, Ryan KK, Berger J, Softic S*, Zhang W, Toure M, Parks K, Smith K, Seeley RJ. A Novel Surgical Model in Obese Rats Uncovers Endoplasmic Reticulum Hepatoprotective Effects of Bile Acids Post-Bariatric Surgery. *Endocrinology*, 2013 Jul;154(7):2341-51.
Role: Experimental planning, execution and writing

21. Xanthakos SA, Podberesky DJ, Serai S, King E, Balistreri WF, **Kohli R**. Use of magnetic resonance elastography to non-invasively assess hepatic fibrosis in pediatric chronic liver disease. *J of Pediatrics*. 2014 Jan;164(1):186-8.
Role: Study design, execution and writing
22. Myronovych A*, Kirby M, Ryan KK, Zhang W, Jha P, Setchell KDR, Dexheimer PJ, Aronow B, Seeley RJ, **Kohli R**. Vertical sleeve gastrectomy in obese mice increases serum bile acids while reducing liver steatosis in a weight-loss-independent manner. *Obesity*, 2014 Feb;22(2):390-400.
Role: Experimental planning, execution and writing
23. Ibrahim S*, Gores GJ, Hirsova P, Kirby M, Miles L, Jaeschke A, **Kohli R**. MLK3^{-/-} mice are protected against the development of high fat high carbohydrate diet-induced steatohepatitis. *Liver Int*, 2014 Mar; 34(3):427-37.
Role: Experimental planning, execution and writing
24. Harley ITH, Stankiewicz TE, Softic S*, Giles DA, Flick ML, Cappelletti M, Xanthakos SA, Steinbrecher KA, Sartor BR, Budelsky AL, **Kohli R**, Karp CL and Divanovic S. IL-17 signaling accelerates the progression of non-alcoholic fatty liver disease. *Hepatology* 2014 May;59(5):1830-9.
Role: Experimental planning, execution and writing
25. Ryan KK, Tremaroli V, Clemmensen C, Kovatcheva-Datchary P, Myronovych A*, Wilson-Pérez HE, Sandoval DA, **Kohli R**, Bäckhed F and Seeley RJ. FXR is a molecular target for the effects of vertical sleeve gastrectomy. *Nature*, May 8 2014;509(7499):183-8.
Role: Experimental planning, execution and writing
26. Prasad V, Chirra S, **Kohli R**, Shull GE. NHE1 deficiency in liver: implications for non-alcoholic fatty liver disease. *Biochem Biophys Res Commun* 2014 Jul 25;450(2):1027-31.
Role: Experimental planning, execution and writing
27. Habegger KM, Al-Massadi O, Heppner KM, Myronovych A*, Holland J, Berger J, Yi CX, Gao Y, Lehti M, Ottaway N, Amburgy S, Raver C, Müller TD, Pfluger PT, **Kohli R**, Perez-Tilve D, Seeley RJ, Tschöp M. Duodenal Nutrient Exclusion Improves Metabolic Syndrome and Stimulates Villus Hyperplasia. *Gut* 2014 Aug;63(8):1238-46.
Role: Experimental planning, execution and writing
28. Begg D, Steinbrecher K, Mul J, Chambers A, **Kohli R**, Haller A, Cohen M, Woods SC, Seeley RJ. Effect of guanylate cyclase-C activity on energy and glucose homeostasis. *Diabetes* 2014 Nov;63(11):3798-804.
Role: Experimental planning, execution and writing
29. Myronovych A*, Salazar-Gonzales RM, Ryan KK, Miles L, Zhang W, Jha P, Wang L, Setchell KDR, Seeley RJ, **Kohli R**. The Role of Small Heterodimer Partner (SHP) in NAFLD Improvement after Vertical Sleeve Gastrectomy in Mice. *Obesity* 2014 Nov;22(11):2301-11.
Role: Experimental planning, execution and writing
30. Kramer JA, Grindley J, Makaron L, **Kohli R**, Kirby M, Mansfield KG, Wachtman LM. The Common Marmoset as a Model for the Study of Nonalcoholic Fatty Liver Disease and Nonalcoholic Steatohepatitis. *Veterinary Pathology* 2015 Mar;52(2):404-13.
Role: Experimental planning, execution and writing
31. Corey KE, Vuppalanchi R, Vos M, **Kohli R**, Molleston JP, Wilson L, Unalp-Arida A, Cummings OW, Lavine JE, Chalasani N. Improvement in Liver Histology Is Associated With Reduction in Dyslipidemia in Children With Nonalcoholic Fatty Liver Disease. *J Pediatr Gastroenterol Nutr*, 2015 Mar;60(3):360-367.
Role: Study design, execution and writing
32. Mansoor S, Yerian L, **Kohli R**, Xanthakos S, Angulo P, Ling S, Lopez R, Christine C, Feldstein AE, Alkhoury N. The Evaluation of Hepatic Fibrosis Scores in Children with Nonalcoholic Fatty Liver Disease. *Dig Dis Sci*. 2015 May;60(5):1440-7.
Role: Study design, execution and writing

33. Bolton SM* Campbell KM, Kukreja M, **Kohli R**. Neurologic Outcome of Urea Cycle Disorder Liver Transplant Recipients May Be Predicted by Pre-Transplant Neurological Imaging. *Pediatr Transpl* 2015 Aug;19(5):527-30.
Role: Study design, execution and writing
34. Samuel EM, Bernstein K, Xanthakos SA, **Kohli R**. Alpha 1-antitrypsin levels can differentiate allelic phenotypes. *Dig Liver Dis*. 2016 Sep 23. pii: S1590-8658(16)30741-1.
Role: Study design, execution and writing
35. Trout AT, Dillman JR MD, Xanthakos XA, **Kohli R**, Sprague G, Serai S, Mahley AD, Podberesky DJ. Prospective Assessment of Ultrasound Acoustic Radiation Force Impulse (ARFI)-MR Elastography Correlation in a Pediatric Population: Dispersion of Ultrasound Shear Wave Speed Measurement Matters. *Radiology* 2016 Nov;281(2):544-552.
Role: Study design, execution and writing
36. Khan FH, Shaw L, Zhang W, Salazar Gonzalez RM, Mowery S, Oehrle M, Zhao X, Jenkins T, Setchell KD, Inge TH, **Kohli R**. Fibroblast growth factor 21 correlates with weight loss after vertical sleeve gastrectomy in adolescents. *Obesity (Silver Spring)*. 2016 Nov;24(11):2377-2383.
Role: Study design, execution and writing
37. Schwimmer JB, Lavine JE, Wilson LA, Neuschwander-Tetri BA, Xanthakos SA, **Kohli R**, Barlow SE, Vos MB, Karpen SJ, Molleston JP, Whittington PF, Rosenthal P, Jain AK, Murray KF, Brunt EM, Kleiner DE, Van Natta ML, Clark JM, Tonascia J, Doo E; NASH CRN. In Children With Nonalcoholic Fatty Liver Disease, Cysteamine Bitartrate Delayed Release Improves Liver Enzymes but Does Not Reduce Disease Activity Scores. *Gastroenterology*. 2016 Dec;151(6):1141-1154.e9. doi: 10.1053/j.gastro.2016.08.027. Epub 2016 Aug 26. PubMed PMID: 27569726; PubMed Central PMCID: PMC5124386.
38. Averin K, Bucuvalas J, Alonso MH, **Kohli R**, Heubi JE, Johnson ND, Goldstein BH. Treatment of Inferior Vena Cava Obstruction Following Pediatric Liver Transplantation: Novel Use of a Customized Endovascular Stent. *J Pediatr*. 2017 Jan;180:256-260. doi: 10.1016/j.jpeds.2016.09.051. Epub 2016 Oct 25. PubMed PMID: 27793336.
39. Vos MB, Abrams SH, Barlow SE, Caprio S, Daniels SR, **Kohli R**, Mouzaki M, Sathya P, Schwimmer JB, Sundaram SS, Xanthakos SA. NASPGHAN Clinical Practice Guideline for the Diagnosis and Treatment of Nonalcoholic Fatty Liver Disease in Children: Recommendations from the Expert Committee on NAFLD (ECON) and the North American Society of Pediatric Gastroenterology, Hepatology and Nutrition (NASPGHAN). *J Pediatr Gastroenterol Nutr*. 2017 Feb;64(2):319-334. doi:10.1097/MPG.0000000000001482. PubMed PMID: 28107283.
40. Patton A, Khan FH, **Kohli R**. Impact of Fibroblast Growth Factors 19 and 21 in Bariatric Metabolism. *Dig Dis*. 2017;35(3):191-196. doi: 10.1159/000450910. Epub 2017 Mar 1. PubMed PMID: 28249286.
41. Africa JA, Behling CA, Brunt EM, Zhang N, Luo Y, Wells A, Hou J, Belt PH, **Kohli R**, Lavine JE, Molleston JP, Newton KP, Whittington PF, Schwimmer JB; Nonalcoholic Steatohepatitis Clinical Research Network. In Children With Nonalcoholic Fatty Liver Disease, Zone 1 Steatosis Is Associated With Advanced Fibrosis. *Clin Gastroenterol Hepatol*. 2017 Mar 7. pii: S1542-3565(17)30261-6. doi: 10.1016/j.cgh.2017.02.030. [Epub ahead of print] PubMed PMID: 28286193.
42. Saubermann LJ, Deneau M, Falcone RA, Murray KF, Ali S, **Kohli R**, Ekong UD, Valentino PL, Grossman AB, Rand EB, Jonas MM, Saeed SA, Kamath BM. Hepatic Issues and Complications Associated with Inflammatory Bowel Disease. A Clinical Report from the NASPGHAN Inflammatory Bowel Disease and Hepatology Committees. *J Pediatr Gastroenterol Nutr*. 2017 Feb;64(2):319-334. doi: 10.1097/MPG.0000000000001482
43. Bhattacharjee, J., Kirby, M., Softic, S., Miles, L., Salazar-Gonzalez, R.-M., Shivakumar, P. and **Kohli R**. (2017), Hepatic natural killer T-cell and CD8+ T-cell signatures in mice with nonalcoholic steatohepatitis. *Hepatology Communications*, 1: 299–310. doi:10.1002/hep4.1041

REFEREED JOURNAL ARTICLES IN PRESS:

1. Puri P, Daita K, Joyce A, Mirshahi F, Santhekadur PK, Cazanave S, Luketic VA, Siddiqui MS, Boyett S, Min HK, Kumar DP, **Kohli R**, Zhou H, Hylemon PB, Contos MJ, Idowu M, Sanyal AJ. The presence and severity of nonalcoholic steatohepatitis is associated with specific changes in circulating bile acids. *Hepatology*. 2017 Jul 11. doi: 10.1002/hep.29359. [Epub ahead of print]
2. Tomita K, **Kohli R**, MacLaurin BL, Hirsova P, Guo Q, Sanchez LHG, Gelbard HA, Blaxall BC, Ibrahim SH. Mixed-lineage kinase 3 pharmacological inhibition attenuates murine nonalcoholic steatohepatitis. *JCI Insight*. 2017 Aug 3;2(15). pii: 94488. doi: 10.1172/jci.insight.94488. [Epub ahead of print]
3. Kindel TL, Krause C, Helm MC, McBride CL, Oleynikov D, Thakare R, Alamoudi J, Kothari V, Alnouti Y, **Kohli R**. Increased glycine-amidated hyocholic acid correlates to improved early weight loss after sleeve gastrectomy. *Surg Endosc*. 2017 Aug 4. doi: 10.1007/s00464-017-5747-y. [Epub ahead of print]

REFEREED REVIEWS, CHAPTERS, AND EDITORIALS: REVIEWS/EDITORIALS:

1. **Kohli R**, Li B U.K. Differential diagnosis of recurrent abdominal pain. *Pediatric Annals* 2004 Feb; 33(2): 113-22. Role: Literature search and writing
2. **Kohli R**. Indian Childhood Cirrhosis. *J of Pediatr* 2010 Nov; 157, 766. Role: Case review, literature search and writing
3. Ibrahim SH*, **Kohli R**, Gores GJ. Mechanisms of Lipotoxicity in NAFLD and Clinical Implications. *J Pediatr Gastroenterol Nutr* 2011 Aug;53(2):131-40. Role: Literature search and writing
4. **Kohli R**, Stefater M, Inge TH. Molecular Insights from Bariatric Surgery. *Reviews in Endo Metab Disord* 2011 Sep;12(3):211-7. Role: Literature search and writing
5. **Kohli R**, Feldstein AE. Animal Models of NASH: Are we there yet? *J of Hepatology* 2011, Oct;55(4):941-3. Role: Literature search and writing
6. Xanthakos SA, **Kohli R**. Treating Pediatric NAFLD with Cysteamine – is Adiponectin the Key? *J of Pediatr*, 2012 Oct;161(4):579-81. Role: Literature search, review and writing
7. Minar P*, Alonso MH, Smith MT, **Kohli R**. An adolescent girl with belly pain... one gall bladder too many?" *J Pediatr Gastroenterol Nutr* 2012 Dec;55(6):e142. Role: Case review, literature search and writing
8. Stefater M, **Kohli R**, Inge TH. Advances in the Surgical Treatment of Morbid Obesity. *Mol Aspects Med*; 2013 Feb;34(1):84-94. Role: Literature search, review and writing
9. Bramlage K*, Bansal V, Xanthakos SA, **Kohli R**. Nonalcoholic Fatty Liver Disease in Children- what should one do? *Ind J Pediatr*, 2013 March, 80:S109–S114. Role: Literature search, review and writing
10. **Kohli R**, Seeley RJ. The search for the mechanisms of bariatric surgery. *Nature Reviews*. 2013 Oct;9(10):572-4. Role: Literature search, review and writing
11. **Kohli R**. There's More under the Nonalcoholic Fatty Liver Disease Umbrella Than an Elevated Alanine Aminotransferase Level. *J of Pediatr*, 2014 Apr; 164(4):684-6. Role: Literature search, review and writing

12. **Kohli R**, Myronovych A*, Tan BK*, Salazar-Gonzales RM, Miles L, Zhang W, Oehrle M, Sandoval DA, Ryan KK, Seeley RJ, Setchell KDR. Bile Acid Signaling: Mechanism for Bariatric Surgery, Cure for NASH? *Dig Dis*, 2015;33(3):440-6.
Role: Literature search, review and writing
13. Asai A, **Kohli R**. Familial Homozygous Hypercholesterolemia—when to turn to transplant? *Pediatr Transplant*. 2015 Sep;19(6):577-9.
Role: Literature search, review and writing
14. **Kohli R**, and Setchell KDR. Let the bile flow! *Hepatology* 2015 Dec;62(6):1870.
Role: Literature search, review and writing
15. Khan FH, **Kohli R**. Bariatric Surgery: The Rise and Fall of Bile Acids. *Surg Obesity Rel Dis*. 2016 May;12(4):770-1.
Role: Literature search, review and writing
16. **Kohli R**, Sundaram S, Mouzaki M, Ali S, Sathya P, Abrams S, Xanthakos SA, Vos M, Schwimmer JB. Pediatric Nonalcoholic Fatty Liver Disease: A Report from the Expert Committee on Nonalcoholic Fatty Liver Disease (ECON). *J Pediatr*. 2016 May;172:9-13.
Role: Literature search, review and writing
17. Vos MB, Abrams SH, Barlow SE, Caprio S, Daniels SR, **Kohli R**, Mouzaki M, Sathya P, Schwimmer JB, Sundaram SS, Xanthakos SA. NASPGHAN Clinical Practice Guideline for the Diagnosis and Treatment of Nonalcoholic Fatty Liver Disease in Children. *J Pediatr Gastroenterol Nutr*. 2017 Feb;64(2):319-334.
Role: Literature search, review and writing
18. Vos MB, Abrams SH, Barlow SE, Caprio S, Daniels SR, **Kohli R**, Mouzaki M, Sathya P, Schwimmer JB, Sundaram SS, Xanthakos SA. NASPGHAN Clinical Practice Guideline for the Diagnosis and Treatment of Nonalcoholic Fatty Liver Disease in Children. *J Pediatr Gastroenterol Nutr*. 2017 Sep 1. doi: 10.1097/MPG.0000000000001731. [Epub ahead of print]
19. **Kohli R**, Cortes M, Heaton ND, Dhawan A. Liver transplantation in children: state of the art and future perspectives. *Arch Dis Child*. 2017 Sep 16. pii: archdischild-2015-310023. doi: 10.1136/archdischild-2015-310023. [Epub ahead of print]

CHAPTERS:

1. Taylor, A and **Kohli R**. *Nonalcoholic Fatty Liver Disease*. The NASPHGHAN Fellows Concise Review of Pediatric Gastroenterology, Hepatology and Nutrition. 2nd Edn. Eds. Sundaram and Bass.
2. **Kohli R**, Setchell KDRS. *Bile Acids and Bile Flow: New Functions of Old Molecules*. Sanyal AR, Boyer TD, Lindor KD, Terrault NA, editors. *Zakim and Boyer's Hepatology: A Textbook of Liver Disease*, 7th ed. Philadelphia, Elsevier, 2017 (in press)
3. Emmanuel Y, Gordon-Walker T, Kendall T, Anwar N, Wallihan D, **Kohli R** and Veldtman GR. *Complications: The Liver in the Patient with Single Ventricle*. Eds Fogel M and Rychik J, *The Single Ventricle*, John Wiley & Sons, Inc., Oxford, UK
4. **Kohli R**, Bove KE, Xanthakos SA. NAFLD in Children. *Liver Disease in Children*, Eds Suchy FJ, Sokol RJ, Balistreri WF. 4th Edn, Cambridge University Press. Cambridge, United Kingdom: 2014; 631-648.
5. **Kohli R**, Alonso EM, Whittington PF. Liver Transplantation: The Recipient: Long-term Outcome: Pediatric Recipient. *Living Donor Organ Transplantation*, Eds Gruessner RWG, Benedetti E. McGraw Hill New York: 2008; 656-61.
6. **Kohli R**, Li B U.K. Diarrhea and Malabsorption Syndromes. *Just the facts in Pediatrics*, Eds Green T, Franklin W, Tanz R*. McGraw-Hill Professional; New York: 2004; 301-304.
7. Arora NK, **Kohli R**. Diagnostic Approach for Neonatal Cholestasis. *Textbook of Neonatal Surgery*, Ed Gupta DK. Modern Publishers, New Delhi: 2000; Edn 1:276-279.

REFEREED ON-LINE PUBLICATIONS:

1. Xanthakos SA, Kohli R. Pediatric Non-Alcoholic Fatty Liver Disease: Prevalence, Diagnosis, Risk Factors, and Management. *Clinical Liver Dis*; 2012 Aug; 1(4): Doi: 10.1002/Cld.75
Role: Literature search, review and writing
2. Bansal V*, Kohli R. Peutz Jeghers Syndrome. Review For www.emedicine.com
[Http://emedicine.Medscape.Com/Article/1664349](http://emedicine.Medscape.Com/Article/1664349)
Role: Literature search, review and writing

CLINICAL COMMUNICATION: (CASE REPORTS, LETTERS)

3. **Kohli R**, Melin-Aldana H and Sentongo TA. Mesalamine-induced pneumonitis during therapy for chronic IBD – a pediatric case report. *J Pediatr Gastroenterol Nutr* 2005 Oct; 41(4): 479-482.
Role: Case review, literature search and writing
4. **Kohli R**, Harris DC and Whittington PF. Relative elevations of serum alanine and aspartate aminotransferase in muscular dystrophy. *J Pediatr Gastroenterol Nutr* 2005; 41:121–124
Role: Case review, literature search and writing
5. **Kohli R**, Boyd T, Lake K, Dietrich K, Nicholas L, Balistreri WF, Ebach D, Shashidhar H, Xanthakos SA. Progression of Nonalcoholic Steatohepatitis in childhood. *J Pediatr Gastroenterol Nutr*. 2010 Apr; 50(4):453-
Role: Case review, literature search and writing
6. Squires J*, Sisk RA, Balistreri WF, **Kohli R**. Isolated Unilateral Cytomegalovirus Retinitis: Rare Long-Term Complication after Pediatric Liver Transplantation. *Pediatr Trans*, 2013 Feb;17(1):E16-9.
Role: Case review, literature search and writing
7. Mehta M*, Slaughter C, Xanthakos SA, **Kohli R**. High Prevalence of Hepatitis B Non-Immunity in Pediatric Non Alcoholic Fatty Liver Disease Patients. *Digestive and Liver Disease*, 2014 Aug;46(8):760-1.
Role: Study design, execution and writing
8. Kelly D, Johnson N, Veldtman G, Kocoshis S, **Kohli R**. "Twin" Biliary Trees in a Patient with Heterotaxy Syndrome. *J Pediatr Gastroenterol Nutr*. 2016 Aug 6.
Role: Case review, literature search and writing
9. Himes RW, Barlow SE, Bove K, Quintanilla NM, Sheridan R, **Kohli R**. Lysosomal Acid Lipase Deficiency Unmasked in Two Children With Nonalcoholic Fatty Liver Disease. *Pediatrics*. 2016 Sep 13. pii: e20160214.
Role: Case review, literature search and writing
10. Averin K, Bucuvalas J, Alonso MH, **Kohli R**, Heubi JE, Johnson ND, Goldstein BH. Treatment of Inferior Vena Cava Obstruction Following Pediatric Liver Transplantation: Novel Use of a Customized Endovascular Stent. *J Pediatr*. 2016 Oct 25. pii: S0022-3476(16)31035-6.
Role: Case review, literature search and writing

ABSTRACTS AND PRESENTATIONS (SELECTED):

1. Oral Presentation, 2016 - XXIV International Bile Acid Meeting, Düsseldorf, Germany. VSG in morbidly obese adolescents results in increased FGF21 that correlates with weight loss.
2. Oral Presentation, 2014- XXIII International Bile Acid Meeting, Freiburg, Germany. An Intact Fgf15 Signaling Pathway is Necessary for Hepatoprotection after Bariatric Surgery. Bile Acids as Signal Integrators and Metabolic Modulators.
3. *Oral Presentation, 2014: The Obesity Society Meeting, 2nd Annual Obesity Symposium, Boston, MA. The role of Short Heterodimer Partner (SHP) in liver outcomes after Sleeve Gastrectomy in Obese Mice.

4. Invited Speaker, 2013- Visiting Young Investigator Series- Baylor College of Medicine, Houston TX. Bariatric Surgery and NASH: The role of bile acids and FXR-SHP signaling.”

AASLD, Washington D.C.:

Oral Presentations:

*Short Heterodimer Partner (SHP) is necessary for the Improvement in NASH after Sleeve Gastrectomy in Obese Mice.

*Role of the IL-17 axis in the development and progression of non-alcoholic fatty liver disease.

Poster Presentation:

*High Prevalence of Hepatitis B Non-Immunity in Pediatric Non Alcoholic Fatty Liver Disease (NAFLD) Patients.

5. Invited Speaker, 2013- Digestive Diseases Week, Orlando, FL:Luminal Regulators of Weight and Metabolic Function: Research Symposium, AGA; Can Bile Acids Replace Bariatric Surgery?

Abstract Presentations

-Sleeve Gastrectomy in Mice and Humans Results in Weight Loss Independent Suppression of Hepatic Bile Acid Synthesis.

-* Developmental Outcome of Urea Cycle Defect Liver Transplant Recipients May Be Predicted by Pre-Transplant Neurological Imaging.”

* A chronic high fructose diet induces progressive murine NASH with early mitochondrial aging.”

6. *Abstract Presentation, 2013- LIPID MAPS Annual Meeting, La Jolla, CA:Sleeve gastrectomy in obese mice results in elevated serum bile acids and reduced hepatic steatosis.
7. Abstract Presentations-Poster Presentation- NASH Clinical Session: High Serum Alpha-1-Antitrypsin Levels are Associated with More Fibrosis in NASH; Poster Presentation*- NASH Experimental Session: MLK3-/- mice are protected against the development of high-fat-high-carbohydrate (HFHC) diet induced steatohepatitis
8. Bile Acid-Mediated Integration of Metabolism and Liver Disease, Research Workshop, NIH, 2012, Bethesda, MD: Oral Presentation*- Sleeve Gastrectomy in Obese Mice Raises Serum Bile Acids & Modulates the FXR-SREBP-1c Pathway to Reduce Hepatic TG Levels.
9. Abstract Presentation*, 2012- Keystone Obesity and Type 2 Diabetes Meeting, Santa Fe, NM. Role of IL-17 in the development and progression of NAFLD.
10. Abstract Presentations, 2011- AASLD, San Francisco, CA:
- Oral Presentation- NASH Parallel Session: Choledocho-Jejunal Bile Diversion in Obese Rats Increases Serum Tauro-urso-deoxy-cholic acid (TUDCA) Levels & Concomitantly Reduces Hepatic Steatosis;
 - Poster Presentation- NASH Poster Session: The Nox4-GSH Pathway Mediates Fibrosis in a Murine Model of Fibrotic Nonalcoholic Steatohepatitis (NASH);
 - Poster Presentation- NASH Poster Session: Serum oxidized Coenzyme Q levels are associated with severity of ballooning in biopsy confirmed pediatric nonalcoholic fatty liver disease,
 - Poster Presentation*- Pediatric Liver Disease Session: Retrospective review of the incidence of cytomegalovirus infection and disease post liver transplantation in pediatric patients: Comparison of prophylactic oral ganciclovir versus oral valganciclovir.

11. Abstract Presentations, 2011- Digestive Diseases Week, Chicago, IL:

- AASLD Plenary Session: The Hepatic Inflammation Has an Increased NK-T and CD8+ T-Cell Signature in a Murine Model of Fibrotic Nonalcoholic Steatohepatitis (NASH);
 - AGA Poster Presentation: Choledocho-Jejunal Bile Diversion Protects Against Obesity Related Co-Morbidities by Increasing Serum Bile Acid and GLP-1 Levels
12. Abstract Presentation, 2011 – Keystone Obesity and Type 2 Diabetes Meeting, Keystone, CO. Short-Circuiting of the Bile Acid Entero-Hepatic Circulation via a Choledocho-Jejunal Bile Diversion Reduces Obesity Related Co-morbidities
 13. Oral Presentation*, 2010- Global Obesity Summit (Travel Award to Post-Doctoral Fellow), University of Mississippi Medical Center, Jackson, Mississippi
 14. Abstract Presentation*, 2010- Annual AASLD Scientific Meeting, Boston. Insulin Signaling Mediates Hepatic Steatosis through Fatty Acid Transport Proteins (FATPs) in a U-Shaped Dose Dependent Manner
 15. Oral Presentation*, 2010- Annual NASPGHAN Scientific Meeting, New Orleans. Hepatic Steatosis in Type 2 and Type 1 Diabetes Mellitus is Mediated by Insulin Signaling via Fatty Acid Transport Proteins