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CURRICULUM VITAE

Sheila Hanson MD, MS

Emeritus Professor
Department of Pediatrics
Division of Pediatrics Critical Care

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EDUCATION:

1985 B.S. Chemical Engineering, Lehigh University, Bethlehem
1988 M.S. Biomedical Engineering, Univ of Texas Southwestern, Dallas
1999 M.D. Medical College of Wisconsin, Milwaukee, Wisconsin

POSTGRADUATE TRAINING AND FELLOWSHIP APPOINTMENTS:

1999 - 2002 Pediatric Intern and Resident, Children's Hospital of Wisconsin, Milwaukee, Wisconsin
2002 - 2006 Fellowship, Pediatric Critical Care, Children's Hospital of Wisconsin, Milwaukee, Wisconsin
07/2006 - 08/2006 Honorary Visitor's Appointment, Royal Children's Hospital, Melbourne, Australia

FACULTY APPOINTMENTS:

2002 - 2006 Clinical Instructor, Pediatrics- Children's Hospital of Wisconsin and Medical College of Wisconsin
2006 - 2012 Assistant Professor, Pediatrics- Medical College of Wisconsin and Children's Hospital of Wisconsin, Critical Care Section
2012 - Present Associate Professor, Pediatrics- Medical College of Wisconsin and Children's Hospital of Wisconsin, Critical Care Section

HOSPITAL AND CLINICAL ADMINISTRATIVE APPOINTMENTS:

2006 - Present Associate Director, PICU, Children's Hospital of Wisconsin, Milwaukee, WI

HOSPITAL STAFF PRIVILEGES:

2002 - Present Children's Hospital of Wisconsin, Milwaukee, WI
2014 - Present Ministry St. Joseph's Hospital, Marshfield, WI

SPECIALTY BOARDS AND CERTIFICATION:

Board Certified	Issue Date	Expiration
American Board of Pediatrics, General Pediatrics	10/2003	None
American Board of Pediatrics, Critical Care	08/2006	None
Maintenance of Certification ongoing	12/2010	None

Certificates	Issued By	Issue Date	Expiration
BLS	AHA	05/1995	03/2021

PALS Instructor	AHA	07/2002	03/2020
Advanced Trauma Life Support	ACS	10/2002	04/2013

Licensure	Number	Issue Date	Expiration
Wisconsin License	42745-020	11/2000	10/31/2021

AWARDS AND HONORS:

1980 National Merit Scholarship
1990 3M Circle of Technical Excellence Award
1999 Endocrine Society Medical Student Achievement Award
1999 AMWA Glascow Memorial Scholarship Achievement Citation
1999 Alpha Omega Alpha Medical Honor Society
2001 Graduate Medical Research Award - Second Place, Children's Hospital of Wisconsin and Medical College of Wisconsin
2005 American Academy of Pediatrics Best Abstract in Critical Care Award
2007 - 2013 Best Doctor's in America
2008 Outstanding Teaching Award
2009 Red Ribbon Award, International Society of Thrombosis and Haemostasis
2011 Outstanding Medical Student Teacher, Medical College of Wisconsin
2012 Winner of Young Investigator Award, International Society of Thrombosis and hemostasis Annual Conference
2013 Faculty Teaching Award, Medical College of Wisconsin
2014 Outstanding Medical Student Teacher, Medical College of Wisconsin

MEMBERSHIPS IN HONORARY AND PROFESSIONAL SOCIETIES:

1999 - Present Alpha Omega Alpha Medical Honor Society (Member)
2002 - Present Society of Critical Care Medicine (Member)
2002 - Present American Medical Association (Member)
2003 - Present American Academy of Pediatrics (Fellow)
2004 - 2008 American Thoracic Society (Member)
2009 - Present International Society on Thrombosis and Haemostasis (Member)

EDITORSHIPS/EDITORIAL BOARDS/JOURNAL REVIEWS:

Editorial Board
2008 - Present Society of Critical Care Medicine, Conference Abstract Reviewer
2010 Journal of Pediatric Pharmacology and Therapeutics, Reviewer

Journal Review
2012 - 2013 Journal of Pediatrics, Manuscript Reviewer
2012 - Present Thrombosis and Haemostasis, Manuscript Reviewer
2012 - Present Pediatric Emergency Care, Manuscript Reviewer
2013 - 2016 Journal of Pediatric Surgery, Manuscript Reviewer
2014 - Present Journal of Trauma and Acute Care Surgery, Manuscript Reviewer
2015 Journal of Critical Care, Manuscript Reviewer
2015 Journal of Pediatrics, Manuscript Reviewer
2016 Hospital Pediatrics, Manuscript Reviewer
2016 - Present Pediatric Blood and Cancer, Manuscript Reviewer
2017 Journal of Clinical Monitoring and Computing, Manuscript Reviewer

LOCAL/REGIONAL APPOINTED LEADERSHIP AND COMMITTEE POSITIONS:

2002 - 2006 Member, Code Committee, Children's Hospital of Wisconsin
2002 - Present Member, Mortality and Morbidity Review Committee, Critical Care Section, Children's Hospital of Wisconsin
2004 - 2006 Member, Trauma Clinical Practice Committee, Children's Hospital of Wisconsin
2004 - 2005 Member, Critical Care Fellowship CME Committee, Children's Hospital of Wisconsin

2004 - 2005 Member, Safety Team, Children's Hospital of Wisconsin
2006 - Present Member, Reviewer, Blood Usage Committee, Children's Hospital of Wisconsin
2006 - Present Member, Trauma Multi-Specialty Physician Performance Improvement Committee, Children's Hospital of Wisconsin
2006 - Present Member, Co-developer, Trauma Committee, Children's Hospital of Wisconsin
2007 - 2010 Member, Thrombosis Prophylaxis in Critically Ill Trauma Patients Work Group, Children's Hospital of Wisconsin
2007 - Present Team Leader, Anticoagulation Initiative Team, Children's Hospital of Wisconsin
2007 - Present Member, Anticoagulation Research Group, Children's Hospital of Wisconsin
2007 - 2010 Member, Parapneumonic Empyema Work Group, Children's Hospital of Wisconsin
2010 - Present Member, Liver Transplant Committee and Liver Transplant Focused Intensive Care, Children's Hospital of Wisconsin
2010 - 2013 Represented PICU and Trauma Perspective, Massive Transfusion Committee, Children's Hospital of Wisconsin
2011 - 2013 Member, Epic Transition Provider Core Team and Clinical Content Validation Team, Children's Hospital of Wisconsin
2012 - Present Co-leader, Solution for Patient Safety Venous Thromboembolism Hospital Acquire Condition, Children's Hospital of Wisconsin
2013 - Present Team Member, Scholarly Activity Committee, Medical College of Wisconsin
2014 - Present Member, Evaluation for Acute Stroke: Guideline Development Committee, Children's Hospital of Wisconsin
2015 - 2017 Subgroup Leader, Acute Ischemic Stroke in Children with Congenital Heart Defect, Children's Hospital of Wisconsin
2015 - 2017 Subgroup Member, Acute Ischemic Stroke in Children less than 15 yo, Children's Hospital of Wisconsin
2017 - Present Group Leader, Development of Guidelines for Maintenance IV Fluids for Children in the Pediatric ICU, Children's Hospital of Wisconsin

NATIONAL ELECTED/APPOINTED LEADERSHIP AND COMMITTEE POSITIONS:

2004 Steering Committee/Advisory Board and Faculty Member. "Advancements in the Use of Fibrinolytics in Pleural Effusion". Atlanta, Georgia
2005 - 2012 National Association of Children's Hospitals and Related Institutions, Pediatric Critical Care Focus Group: Co-Chair of Pediatric Thrombosis subgroup
2007 - Present VPS Clinical Team; Advisor for multi-center national clinical database dedicated to standardized data sharing and benchmarking among pediatric ICUs.
2009 - Present Pediatric Acute Lung Injury and Sepsis Investigators: BloodNet Focus Group: Leader of Hemostasis and Coagulation Monitoring subgroup, 2010 - present
2012 - Present Pediatric Trauma Society, Research Subgroup Member
2013 - Present Pediatric Trauma Society, Guidelines subgroup, Project co-leader; Guidelines for DVT prophylaxis in Children after Trauma
2014 - Present American Society of Hematology, Venous Thrombosis Guideline Coordination Panel Member
2014 - Present American Society of Hematology, Pediatric Venous Thrombosis Guideline Member
2015 Member, Childress Summit II for Pediatric Trauma Care, Winston Salem, • Multi-disciplinary Think tank meeting with goal to improve the quality of injury care in geographic areas with limited pediatric-specific specialty providers and resources
2016 - Present Subject Matter Expert, Solutions for Patient Safety, Venous Thromboembolism HAC Relaunch, American Society of Hematology
2017 Member, PODIUM- coagulation dysfunction subgroup: The goal of PODIUM is to derive evidence based definitions of individual pediatric organ dysfunction, as well as MODS as a unifying concept, Led by Dr. Jerry Zimmerman and supported through NICHD

RESEARCH GRANTS/AWARDS/CONTRACTS/PROJECTS:

Active

Peer Review

Title:	Pharm Study: Single-Dose Study to Evaluate the Pharmacokinetics,

	Pharmacodynamics, Safety, and Tolerability of Apixaban in Pediatric Subjects at Risk for a Venous or Arterial Thrombotic Disorder
Source:	Bristol-Myers Squibb Company
Role & Effort:	Site Principal Investigator
Dates:	10/2013
Direct Funds:	$42,884
Title:	Massive Transfusion epidemiology and outcomes In Children (MATIC) study
Role & Effort:	Site Principal Investigator
Dates:	03/01/2014 - 02/28/2019
Direct Funds:	$0 (Ongoing Unfunded Multi-Center Project)
Title:	Age of Blood in Children in Pediatric Intensive Care Units
Role & Effort:	Site Principal Investigator
Dates:	03/01/2014 - 02/28/2019
Direct Funds:	$172,480
Title:	The Pediatric ECMO Registry Outcomes Registry (PEDECOR) (REAP)
Source:	Pediatric Acute Lung Injury and Sepsis Investigators, BloodNet
Role & Effort:	Study Co-Investigator
PI:	Myself
Dates:	07/2014 - Present
Direct Funds:	$0 (Ongoing Unfunded Multi-Center Project)
Title:	Prevention of catheter-related thrombosis in critically ill children (CRETE)
Source:	AHA Award Number: 16GRNT31180018
Role & Effort:	Site Principal Investigator
Dates:	07/01/2016 - 07/01/2017
Direct Funds:	$2,498

Prior

Peer Review

Title:	The Prevalence of Heparin Dependent Platelet Antibodies in Children after Cardiopulmonary Bypass
Source:	Children's Hospital and Health System Foundation Grant
Role & Effort:	Principal Investigator
PI:	Myself
Dates:	08/2004
Direct Funds:	$3,840
Title:	Changes in Regional Perfusion as Measured by Non-invasive Near-infrared Spectroscopic Fluid Oximetry during

	Regional Fluid Resuscitation of Children with Moderate to Severe Dehydration
Source:	Children's Hospital and Health System Foundation Grant
Role & Effort:	Principal Investigator
PI:	Myself
Dates:	03/2005
Direct Funds:	$5,800
Title:	Standardized Implementation of Evidence Based Guidelines for Blood Transfusions in Critically Ill and Injured Children to Decrease Transfusions in Pediatric Intensive Care Units: The ASK Trial
Source:	Children's Hospital Association PICU Focus Group
Role & Effort:	Site Principal Investigator and Study Co-Investigator
Dates:	01/2013 - Present
Direct Funds:	$0 (Ongoing Unfunded Multi-Center Project)
Title:	COAgulation Function in Sepsis Clinical Trial (COAST) Planning Study: Can Goal Directed Anticoagulation Reduce Hypercoagulability and Improve Outcomes in Children with Severe Sepsis
Source:	NIH/NHKBI: U34 RFA-HL-12-023
Role & Effort:	Principal Investigator
PI:	Drs. Hanson, Spinella and Stein
Dates:	07/01/2013 - 06/30/2016
Direct Funds:	$370,800 (Total Funding: $590,930 - Date Submitted: 10/8/2012)
Title:	Prevalence of Plasma Transfusion in Critically Ill Children
Source:	Pediatric Acute Lung Injury and Sepsis Investigators
Role & Effort:	Site Principal Investigator
Dates:	01/2014 - 01/2015
Direct Funds:	$0 (Ongoing Unfunded Multi-Center Project)
Title:	Comparison Thromboelastography to Standard Anticoagulation Monitoring in Children Receiving Enoxaparin Prophylaxis after Trauma
Source:	CTSI
Role & Effort:	Principal Investigator
PI:	Sheila J. Hanson, Rowena Punzalan, David Gourlay, Monika de Arruda
Dates:	04/01/2014 - 06/01/2017
Direct Funds:	$50,000 (Date Submitted: 8/1/2013)
Title:	Pediatric Trauma Assessment and

	Management Database
Source:	Childress Grant
Role & Effort:	Site Principal Investigator
Dates:	06/2014 - 09/2014
Direct Funds:	$7,962
Title:	PTS Guidelines for DVT Prophylaxis in Children after Trauma
Source:	Pediatric Trauma Society, IRB submission for Delphi Consensus
Role & Effort:	Site Principal Investigator and Co-Principal Investigator
Dates:	09/2014 - 2014
Direct Funds:	$0 (Ongoing Unfunded Multi-Center Project)

INVITED LECTURES/WORKSHOPS/PRESENTATIONS:

International

Hanson, SJ, "Heparin Induced Thrombocytopenia in Children: Pathophysiology and Review of the Evidence", Westmead Children's Hospital, Sydney, Australia, 07/2006

Hanson, SJ, "The Prevalence of Heparin Dependent Platelet Antibodies in Children after Cardiopulmonary Bypass", Royal Children's Hospital, Melbourne, Australia, 08/2006

Hanson, SJ, "Development of Multi-Site Data Collection Platform for Pediatric Transfusion". Pediatric Acute Lung Injury and Sepsis Investigators: Transfusion, Immunology and Coagulation Focus Group, Park City, Utah, 03/2010

Hanson, SJ, "Multi-Site Data Collection Platform for Pediatric Transfusion- Progress Report". Pediatric Acute Lung Injury and Sepsis Investigators: Transfusion, Immunology and Coagulation Focus Group, Boston, Massachusetts, 09/2010

Hanson, SJ, "Updates from TRICKS Coagulation Subgroup: Plan for intermediate project proposals". Pediatric Acute Lung Injury and Sepsis Investigators: Transfusion, Immunology and Coagulation Focus Group, Boston, Massachusetts, 09/2010

Hanson, SJ, "Coagulation in Critically Ill Children with Severe Sepsis and Trauma Project Design", Combined Blood Net and GRTS Blood Research Symposium, Montreal, Canada, 09/2011

Hanson, SJ, "New Protocol Submission: "Coagulation in Critically Ill Children with Severe Sepsis and Trauma". Pediatric Acute Lung Injury and Sepsis Investigators: Transfusion, Immunology and Coagulation Focus Group, Montreal, Canada, 09/2011

Hanson, SJ, Spinella, P, Steiner, M, "U34 Grant application: COAgulation function in Sepsis Clinical Trial (COAST) Planning Study", The Pediatric Critical Care Blood Research Network (Blood Net), Chicago, Illinois, 10/2012

Hanson, SJ, Spinella, P, Steiner, M, "COAgulation function in Sepsis Clinical Trial (COAST) Planning Study: Can Goal Directed Anticoagulation Reduce Hypercoagulability and Improve Outcomes in Children with Severe Sepsis?", Pediatric Acute Lung Injury and Sepsis Investigators Meeting, Chicago, Illinois, 10/2012

Hanson SJ, Rice T, "Pediatric Neuro Critical Care Module Development Update", Pediatric Neurocritical Care Research Group, Park City, Utah, 03/2014

Hanson SJ, "The Perils of Hypercoagulability: Transfusion-Induced Thrombosis", Society of Advanced Blood Management, Houston, Texas, 09/2014

National

Hanson, SJ, "Review of Pediatric Use of Fibrinolytics in Pleural Effusion", Advancements in the Use of Fibrinolytics in Pleural Effusion Steering Committee/Advisory Board, Atlanta, Georgia, 2004

Hanson, SJ, "Prevalence and Incidence of Venous Thrombotic Events in Pediatric ICU Patients", National Association of Children's Hospitals and Related Institutions, Pediatric Critical Care Focus Group, Kansas City, Missouri, 2009

Hanson SJ, Flynn O'Brien, K, Rivera, F, "Pediatric Trauma Assessment and Management Registry Development", VPS Users Meeting, Los Angeles, California, 10/2013

Hanson SJ, Hartmann, M, Pineda, J, "Pediatric Neuro Critical Care Module Development", VPS Users Meeting Group, Los Angeles, California, 10/2013

Local

Hanson, SJ, "Venous Thromboembolism in Critically Ill Children, Summary of CHW Data 4/2006- 7/2007", Children's Hospital of Wisconsin Anticoagulation Guidelines group, Milwaukee, Wisconsin, 03/2008

Hanson, SJ, "Venous Thromboembolism and Bleeding Complications at Children's Hospital of Wisconsin", Oral Anticoagulation Mini-symposium, Children's Hospital of Wisconsin, 04/2008

Hanson, SJ, "Venous Thromboembolism in Pediatric Trauma Patients: the CHW Experience", Surgery/Trauma Conference, Children's Hospital of Wisconsin, 12/2012

Hanson, SJ., "The Perils of Hypercoagulability: Transfusion-Induced Thrombosis", Surgery/Anesthesia/Critical Care Conference, Children's Hospital of Wisconsin, 09/2015

PEER REVIEWED WORKSHOPS/PRESENTATIONS:

Local

Hanson, SJ, Mortality and Morbidity Review, Critical Care Section, Children's Hospital of Wisconsin, 2002 - Present

Hanson, SJ, Twice weekly lectures on critical care topics to residents when on service 16 weeks per year in the PICU, Children's Hospital of Wisconsin, 2002 - 2009

Hanson, SJ, Intermediate ICU rotation on topics including: Head Injury Upper Airway Obstruction, Syncope, and Blood Gas Interpretation Obstruction, Monthly half hour lectures to residents and medical students during their rotation in the PICU, Children's Hospital of Wisconsin, 2003 - 2005

Hanson, SJ, Pediatric Critical Care Nursing Orientation: 2-3 hour lecture on critical care topics such as renal anatomy and physiology, renal replacement therapyhemolytic uremic syndrome, diuretic mechanism of action, cases in electrolyte imbalance, Pediatric Critical Care Nursing Orientation, Children's Hospital of Wisconsin, 2003 - 2008

Punzalan R, HANSON SJ, Ghanayem N, Curtis, BR, Murkowski, K, Havens PL, and MCFarland, JG, ", The Prevalence of Heparin Dependent Platelet Antibodies in Children after Cardiopulmonary Bypass", Poster presented at the American Society of Hematology, Orlando, FL, 12/2005

Hanson, SJ, "The Prevalence of Heparin Dependent Platelet Antibodies in Children after Cardiopulmonary Bypass, Children's Research Institute Academic Conference, Medical College of Wisconsin, 2006

Hanson, SJ, Evidence Based Guidelines for Management of Severe Traumatic Brain Injury in Children, Transport Team, Children's Hospital of Wisconsin, 2007

Hanson, SJ, "DVT Prophylaxis in Pediatric Patients", Pediatric Surgery Basic Science Conference, Medical College of Wisconsin, 2007

Hanson, SJ, Research in Progress- multiple presentations 1-2x/year, Critical Care Section, Children's Hospital of Wisconsin, 2008 - 2010

Hanson, SJ, 3 hour orientation to new fellows annually, Orientation to the Trauma Service, Children's Hospital of Wisconsin, 2009 - Present

Hanson, SJ, "DIC in critically ill child: Pathophysiology diagnosis and management", Pediatric Critical Care Conference Series, Children's Hospital of Wisconsin, 2009

Hanson, SJ, "DIC in the trauma patient: Pathophysiology diagnosis and management", Trauma Rounds, Children's Hospital of Wisconsin, 2009

Hanson, SJ, "Diagnosis and Management of Pediatric Empyema", PICU Professor Rounds, Children's Hospital of Wisconsin, 2010

Hanson, SJ, "DVT Risks and Prophylaxis in Children after Trauma", Trauma Rounds, Children's Hospital of Wisconsin, 2010

Hanson, SJ, Management of the Critically Ill Child with Traumatic Brain Injury, Multiple 1 hour education sessions for nursing shifts, Children's Hospital of Wisconsin, 2010 - Present

Hanson, SJ, "Pediatric Trauma Assessment and Management", Invited lecturer, Acute Critical Care Nurse Practitioner Program, Marquette University College of Nursing, 2010 - Present

Hanson, SH, "Non-invasive Regional Oximetry Monitoring", Emergency Department Grand Rounds, Children's Hospital of Wisconsin, 2010

Hanson, SJ, Pediatric Critical Nursing: Brain Injury, Case Review and Discussion, Children's Hospital of Wisconsin, 2011

Hanson, SJ, "Diagnosis and Management of Liver Failure", PICU Professor Rounds, Children's Hospital of

Wisconsin, 2011

Hanson, SJ, "Coagulation in Critically Ill Children with Severe Sepsis and Trauma", Pediatric Critical Care Conference Series, Children's Hospital of Wisconsin, 2011

Hanson, SJ, Pediatric Critical Care Nursing: Simulation Training on Trauma and Traumatic Brain Injury, Multiple 2 hour simulation sessions, Children's Hospital of Wisconsin, 2012

Hanson, SJ, "Comparison of Mannitol vs Hypertonic Saline for Treatment of Raised Intracranial Pressure in Children", Trauma Rounds, Children's Hospital of Wisconsin, 2013

Hanson, SJ, "How to Fit Research into a Clinical Career", Pediatric Critical Care Research Series, Children's Hospital of Wisconsin, 2013

Hanson, SJ, "Pediatric Trauma: Cervical Spine and Neck Injury", Pediatric Critical Care Conference Series, Children's Hospital of Wisconsin, 2013

Hanson, SJ, CVL placement; simulation, Fellows Boot Camp, Children's Hospital of Wisconsin, 2013

Hanson, SJ, "Evidence Based Guidelines for Blood Transfusions in Critically Ill and Injured Children", Pediatric Critical Care Conference Series, Children's Hospital of Wisconsin, 2013

Hanson, SJ, "Disseminated Intravascular Coagulation in Children: Pathophysiology Diagnosis and Management", Pediatric Critical Care Conference Series, Children's Hospital of Wisconsin, 2013 - 2014

Hanson, SJ, Pediatric Critical Nursing: Intractable Seizures, Case Review and Discussion, Children's Hospital of Wisconsin, 2014

Hanson, SJ, Acute Ischemic Stroke in Children, Presenting to the ED, Children's Hospital of Wisconsin, 2015

Hanson, SJ, "Comparison of Mannitol vs Hypertonic Saline for Treatment of Raised Intracranial Pressure in Children", Pediatric Critical Care Conference Series, Children's Hospital of Wisconsin, 2015

Hanson, SJ, "DIC in critically ill child: Pathophysiology diagnosis and management", Pediatric Critical Care Conference Series, Children's Hospital of Wisconsin, 2017

Hanson, SJ and Rajzer K, "Pediatric ICU Considerations in the Care of the Post-Operative Liver Transplant Patient", Pediatric Critical Care Conference Series, Children's Hospital of Wisconsin, 2017

COMMITTEE SERVICE:

Hospital

2002 - 2006 Member, Code Committee, Children's Hospital of Wisconsin

2004 - 2006 Member, Trauma Clinical Practice Committee, Children's Hospital of Wisconsin

2006 - Present Member, Trauma Multi-Specialty Physician Performance Improvement Committee, Children's Hospital of Wisconsin

2006 - Present Member, Blood Usage Committee, Children's Hospital of Wisconsin

2006 - Present Member, Trauma Committee, Children's Hospital of Wisconsin

2010 - 2013 Member, Massive Transfusion Committee, Children's Hospital of Wisconsin

2013 Team Member, Scholarly Activity Committee, Children's Hospital of Wisconsin

2014 - Present Member, Evaluation for Acute Stroke: Guideline Development Committee, Children's Hospital of Wisconsin

MCW TEACHING ACTIVITIES:

Medical Student Education

2004 - 2005 Introduction to Clinical Examination Course, Clinical Preceptor - Annual four hour, small group pediatric physical exam demonstration for 2nd year medical students

2006 M3 Student Intersession - Patient Care, Facilitator - Four hour small group case discussion

2007 - 2016 Applied Respiratory Physiology, Lecturer - one hour lecture on blood gas interpretation and cases for 4th year medical students and preceptor for applied teaching on PICU clinical rounds for annual one month course

2012 - Present Molecules to Cells Course, Preceptor of skills case based, discussion small group course for 1st year medical students

2013 - Present , Bench to Bedside Course, Clinical Preceptor of skills workshop and clinical reasoning small group course for 2nd year medical students

Resident and Fellow Education

2004 - 2012 Pediatric Advanced Life Support (PALS) Instructor - Four times per year

2017 Critical Care Bedside Rounds: Care of the Postoperative Pediatric Liver Transplant Patient

EXTRAMURAL TEACHING:

Medical Student Education

2004 - Present Medical of Wisconsin, Biochemistry Case Based Discussion, Small group leader - 1st year medical students clinical correlation to biochemistry curriculum

MCW STUDENTS, FACULTY, RESIDENTS AND CLINICAL/RESEARCH FELLOWS MENTORED:

Medical Students

08/2013 - Present Brinda Desai, MS 3, Research: Assist in development, execution, and poster preparation of research projects, Medical College of Wisconsin

10/2013 - Present Sara-Jane Onyeama, MS 1, Research: Assist in development, execution, and poster preparation of research projects, Medical College of Wisconsin

Clinical/Research Fellows

10/2009 - 05/2010 Paul Bauer, MD, Research: Assist in development, execution, and poster preparation of research projects, Medical College of Wisconsin

11/2010 - 08/2012 Samer Abu-Sultaneh, MD, Research: Assist in development, execution, and poster preparation of research projects, Medical College of Wisconsin

07/2012 - Present Mina Salib, MD, Research: Assist in development, execution, and poster preparation of research projects, Medical College of Wisconsin

08/2012 - Present Binod Balakrishnan, MD, Research: Assist in development, execution, and poster preparation of research projects, Medical College of Wisconsin

08/2012 - Present Jana Sperka, MD, Research: Assist in development, execution, and poster preparation of research projects, Medical College of Wisconsin

03/2013 - Present Asfawossen Asfaw, MD, Research: Assist in development, execution, and poster preparation of research projects, Medical College of Wisconsin

09/2015 - Present Pam Petersen, MD, Research: Assist in development, execution, and poster preparation of research projects, Medical College of Wisconsin

09/2015 - Present Amee Bigelow, MD, Research: Assist in development, execution, and poster preparation of research projects, Medical College of Wisconsin

01/2016 - Present Patrick Noonan, DO, Research: Assist in development, execution, and poster preparation of research projects, Medical College of Wisconsin

Residents

11/2003 - 10/2004 Amanda Brandow, DO, Research: Assist in development, execution, and poster preparation of research projects, Medical College of Wisconsin

08/2015 - Present Rachel Landisch, MD, Research: Assist in development, execution, and poster preparation of research projects, Medical College of Wisconsin

Faculty

11/2011 - Present Nathan Schloemer, MD, Research: Assist in development, execution, and poster preparation of research projects, Medical College of Wisconsin

08/2012 - 06/2015 Binod Balakrishnan, MD, Research: Assist in development, execution, and poster preparation of research projects, Medical College of Wisconsin

COMMUNITY SERVICE ACTIVITIES:

2004 - 2012 Pediatric Advanced Life Support (PALS) Instructor

JOURNAL CLUB MENTOR: SUPERVISE REVIEW, DEVELOPMENT, AND SUMMARY PRESENTATION OF JOURNAL ARTICLE:

02/2011 Apurva Panchal, MD

07/2011 Giovanna Capriola, MD

10/2012 Apurva Panchal, MD
02/2013 Asfawossen Asfaw, MD
02/2013 Francesca Perez Marques, MD
05/2013 Jana Sperka, MD
08/2013 Jana Sperka, MD
10/2013 Binod Balakrishnan, MD
02/2014 Allison Fahy, MD
06/2014 Binod Balakrishnan, MD
02/2015 Kiran Bhosrekar
04/2016 Steven Haasken, MD

U.S. PATENTS:

1991 #5,057,018 Co inventor, with Sarns 3M for development of left ventricular vent catheter with malleable dual position stylet
1992 #5,163,912 Co inventor, with Sarns 3M for development of left ventricular vent catheter with malleable dual position stylet
1994 #5,324,260 Co inventor, with Sarns 3M for development of retrograde coronary sinus balloon catheter for delivery of cardioplegia during cardiopulmonary bypass
1995 #5,395,331 Co inventor, with Sarns 3M for development of retrograde coronary sinus balloon catheter for delivery of cardioplegia during cardiopulmonary bypass
1997 #5,620,418 Co inventor, with Sarns 3M for development of retrograde coronary sinus balloon catheter for delivery of cardioplegia during cardiopulmonary bypass
1998 #5,807,326 Co inventor, with Sarns 3M for development of retrograde coronary sinus balloon catheter for delivery of cardioplegia during cardiopulmonary bypass

BIBLIOGRAPHY

Refereed Journal Publications/Original Papers

1. HANSON SJ, Jamshidi K. Resorbable Polymers for Nonwoven Vascular Grafts: A Preliminary Study. Southern Biomedical Engineering Conference Proceedings 1987 6: 32-34.
2. Hanson SJ, Jamshidi K, Eberhart RC. Mechanical evaluation of resorbable copolymers for end use as vascular grafts. ASAIO Trans. 1988;34(3):789-93.
3. Hanson SJ, Punzalan RC, Ghanayem N, Havens P. Prevalence of heparin-dependent platelet antibodies in children after cardiopulmonary bypass. Pediatr Crit Care Med. 2007 Jul;8(4):358-61.
4. Hanson SJ, Berens RJ, Havens PL, Kim MK, Hoffman GM. Effect of volume resuscitation on regional perfusion in dehydrated pediatric patients as measured by two-site near-infrared spectroscopy. Pediatr Emerg Care. 2009 Mar;25(3):150-3.
5. Hanson SJ, Punzalan RC, Greenup RA, Liu H, Sato TT, Havens PL. Incidence and risk factors for venous thromboembolism in critically ill children after trauma. J Trauma. 2010 Jan;68(1):52-6.
6. Hanson SJ, Lawson KA, Brown AM, Christie LM, McArthur JA, Totapally B, Higgerson RA. Current treatment practices of venous thromboembolism in children admitted to pediatric intensive care units. Paediatr Anaesth. 2011 Oct;21(10):1052-7.
7. Higgerson RA, Lawson KA, Christie LM, Brown AM, McArthur JA, Totapally BR, Hanson SJ, National Association of Children?s Hospitals and Related Institution?s Pediatric Intensive Care Unit FOCUS group. Incidence and risk factors associated with venous thrombotic events in pediatric intensive care unit patients. Pediatr Crit Care Med. 2011 Nov;12(6):628-34.
8. Hanson SJ, Punzalan RC, Christensen MA, Ghanayem NS, Kuhn EM, Havens PL. Incidence and risk factors for venous thromboembolism in critically ill children with cardiac disease. Pediatr Cardiol. 2012 Jan;33(1):103-8.
9. Hanson SJ, Punzalan RC, Arca MJ, Simpson P, Christensen MA, Hanson SK, Yan K, Braun K, Havens PL. Effectiveness of clinical guidelines for deep vein thrombosis prophylaxis in reducing the incidence of venous thromboembolism in critically ill children after trauma. J Trauma Acute Care Surg. 2012 May;72(5):1292-7.
10. Hanson SJ. Re: Guidelines for DVT prophylaxis for pediatric ICU patients. J Trauma Acute Care Surg. 2013 Jun;74(6):1604-5.
11. Owens JL, Hanson SJ, McArthur JA, Mikhailov TA. The need for evidence based nutritional guidelines for pediatric acute lymphoblastic leukemia patients: acute and long-term following treatment. Nutrients.

2013 Oct 31;5(11):4333-46. PMCID: PMC3847733
12. Faustino EV, Hanson S, Spinella PC, Tucci M, O'Brien SH, Nunez AR, Yung M, Truemper E, Qin L, Li S, Marohn K, Randolph AG, PROphylaxis against ThRombosis prACTice (PROTRACT) Study Investigators of the PALISI BloodNet. A multinational study of thromboprophylaxis practice in critically ill children. Crit Care Med. 2014 May;42(5):1232-40. PMCID: PMC4293013
13. Schloemer NJ, Abu-Sultaneh S, Hanson SJ, Yan K, Hoffmann RG, Punzalan RC, Havens PL. Higher doses of low-molecular-weight heparin (enoxaparin) are needed to achieve target anti-Xa concentrations in critically ill children*. Pediatr Crit Care Med. 2014 Sep;15(7):e294-9.
14. Karam O, Demaret P, Shefler A, Leteurtre S, Spinella PC, Stanworth SJ, Tucci M, Canadian Critical Care Trials Group (CCCTG), Pediatric Acute Lung Injury and Sepsis Investigators (PALISI), BloodNet, PlasmaTV Investigators. Indications and Effects of Plasma Transfusions in Critically Ill Children. Am J Respir Crit Care Med. 2015 Jun 15;191(12):1395-402.
15. Fitzgerald RK, Davis AT, Hanson SJ, National Association of Children's Hospitals and Related Institution PICU Focus Group Investigators. Multicenter Analysis of the Factors Associated With Unplanned Extubation in the PICU. Pediatr Crit Care Med. 2015 Sep;16(7):e217-23.
16. Salib M, Hoffmann RG, Dasgupta M, Zimmerman H, Hanson S. Changes to Workflow and Process Measures in the PICU During Transition From Semi to Full Electronic Health Record. Pediatr Crit Care Med. 2015 Oct;16(8):766-71.
17. Hanson SJ, Havens PL, Simpson PM, Nugent ML, Wells RG. Intrapleural alteplase decreases parapneumonic effusion volume in children more than saline irrigation. Pediatr Pulmonol. 2015 Dec;50(12):1328-35.
18. Balakrishnan B, Hoffmann RG, Dasgupta MA, Gajewski K, Havens PL, HANSON SJ. Near Infrared Spectroscopic (NIRS) Somatic Oxygen Saturation at Admission As a Predictor of Need for Life Saving Interventions Among Unplanned Admissions to the Pediatric Intensive Care Unit, in review. Dec. 2016 J Clinical Monitoring and Computing
19. Hanson SJ, Faustino EV, Mahajerin A, O'Brien SH, Streck CJ, Thompson AJ, Petrillo TM, Petty JK. Recommendations for venous thromboembolism prophylaxis in pediatric trauma patients: A national, multidisciplinary consensus study. J Trauma Acute Care Surg. 2016 May;80(5):695-701.
20. Sperka J, Hanson SJ, Hoffmann RG, Dasgupta M, Meyer MT. The Effects of Pediatric Advanced Life Support Guidelines on Pediatric Trauma Airway Management. Pediatr Emerg Care. 2016 Aug;32(8):499-503.
21. Onyeama SJ, Hanson SJ, Dasgupta M, Hoffmann RG, Faustino EV, Prophylaxis against Thrombosis Practice Study Investigators. Factors Associated With Continuous Low-Dose Heparin Infusion for Central Venous Catheter Patency in Critically Ill Children Worldwide. Pediatr Crit Care Med. 2016 Aug;17(8):e352-61. PMCID: PMC4980163
22. Mahajerin A, Petty JK, Hanson SJ, Thompson AJ, O'Brien SH, Streck CJ, Petrillo TM, Faustino EV. Prophylaxis against venous thromboembolism in pediatric trauma: A practice management guideline from the Eastern Association for the Surgery of Trauma and the Pediatric Trauma Society. J Trauma Acute Care Surg. 2017 Mar;82(3):627-636.
23. Asfaw AB, Punzalan RC, Yan K, Hoffmann RG, Hanson SJ. Screening Guidelines for Venous Thromboembolism Risk in Hospitalized Children Have Low Sensitivity for Central Venous Catheter-Associated Thrombosis. Hosp Pediatr. 2017 Jan;7(1):39-45.
24. Landisch R, HANSON SJ, Punzalan R, Braun K, Gourlay D. Evaluation of guidelines for injured children at high risk for VTE: a prospective observational study. in review J Trauma Dec 2016.
25. Chima R, HANSON SJ. Venous Thromboembolism in Critical Illness and Trauma: Pediatric Perspectives. In review Frontiers in Pediatrics, Nov 2016
26. Fink, EL, Kochanek PL, Tasker RC, Beca J, Bell MJ, Clark RSB, Hutchison J, et al on behalf of the Prevalence of Acute critical Neurological Disease in Children: A Global Epidemiological Assessment PANGEA) Investigators. “International Survey of Critically Ill Children With Acute Neurologic Insults: The Prevalence of Acute Critical Neurological Disease in Children: A Global Epidemiological Assessment Study”. accepted Ped Crit Care Med, Jan 2017
27. Landisch RM, Hanson SJ, Cassidy LD, Braun K, Punzalan RC, Gourlay DM. Evaluation of guidelines for injured children at high risk for venous thromboembolism: A prospective observational study. J Trauma Acute Care Surg. 2017 May;82(5):836-844.
28. Chima RS, Hanson SJ. Venous Thromboembolism in Critical Illness and Trauma: Pediatric Perspectives. Front Pediatr. 2017;5:47. PMCID: PMC5346591
29. Balakrishnan B, Dasgupta M, Gajewski K, Hoffmann RG, Simpson PM, Havens PL, Hanson SJ. Low near

infrared spectroscopic somatic oxygen saturation at admission is associated with need for lifesaving interventions among unplanned admissions to the pediatric intensive care unit. J Clin Monit Comput. 2018 Feb;32(1):89-96.
30. Landisch RM, Hanson SJ, Cassidy LD, Braun K, Punzalan RC, Gourlay DM. Evaluation of guidelines for injured children at high risk for VTE: A prospective observational study. J Trauma Acute Care Surg. 2017 Mar 02.
31. Chima RS, Hanson SJ. Venous Thromboembolism in Critical Illness and Trauma: Pediatric Perspectives. Front Pediatr. 2017;5:47. PMCID: PMC5346591
32. Fink EL, Kochanek PM, Tasker RC, Beca J, Bell MJ, Clark RS, Hutchison J, Vavilala MS, Fabio A, Angus DC, Watson RS, Prevalence of Acute critical Neurological disease in children: A Global Epidemiological Assessment (PANGEA) Investigators. International Survey of Critically Ill Children With Acute Neurologic Insults: The Prevalence of Acute Critical Neurological Disease in Children: A Global Epidemiological Assessment Study. Pediatr Crit Care Med. 2017 Apr;18(4):330-342. PMCID: PMC5380574
33. Bigelow AM, Flynn-O'Brien KT, Simpson PM, Dasgupta M, Hanson SJ. Multicenter Review of Current Practices Associated With Venous Thromboembolism Prophylaxis in Pediatric Patients After Trauma. Pediatr Crit Care Med. 2018 Sep;19(9):e448-e454. PMCID: PMC6123256
34. Onyeama SN, Hanson SJ, Dasgupta M, Baker K, Simpson PM, Punzalan RC. Central Venous Catheter-associated Venous Thromboembolism in Children With Hematologic Malignancy. J Pediatr Hematol Oncol. 2018 Nov;40(8):e519-e524.
35. Balakrishnan B, Zhang L, Simpson PM, Hanson SJ. Impact of the Timing of Placement of an Intracranial Pressure Monitor on Outcomes in Children with Severe Traumatic Brain Injury. Pediatr Neurosurg. 2018;53(6):379-386.
36. Balakrishnan B, Flynn-O'Brien KT, Simpson PM, Dasgupta M, Hanson SJ. Enteral Nutrition Initiation in Children Admitted to Pediatric Intensive Care Units After Traumatic Brain Injury. Neurocrit Care. 2019 Feb;30(1):193-200.
37. Noonan PJ, Hanson SJ, Simpson PM, Dasgupta M, Petersen TL. Comparison of Complication Rates of Central Venous Catheters Versus Peripherally Inserted Central Venous Catheters in Pediatric Patients. Pediatr Crit Care Med. 2018 Dec;19(12):1097-1105.
38. Landisch RM, Hanson SJ, Punzalan RC, Braun K, Cassidy LD, Gourlay DM. Efficacy of surveillance ultrasound for venous thromboembolism diagnosis in critically ill children after trauma. J Pediatr Surg. 2018 Nov;53(11):2195-2201.
39. Noonan PJ, Hanson SJ, Petersen TL. The authors reply. Pediatr Crit Care Med. 2019 Jan;20(1):94-95.
40. Monagle P, Cuello CA, Augustine C, Bonduel M, Brandão LR, Capman T, Chan AKC, Hanson S, Male C, Meerpohl J, Newall F, O'Brien SH, Raffini L, van Ommen H, Wiernikowski J, Williams S, Bhatt M, Riva JJ, Roldan Y, Schwab N, Mustafa RA, Vesely SK. American Society of Hematology 2018 Guidelines for management of venous thromboembolism: treatment of pediatric venous thromboembolism. Blood Adv. 2018 Nov 27;2(22):3292-3316. PMCID: PMC6258911
41. Steppan DA, Coleman RD, Viamonte HK, Hanson SJ, Carroll MK, Klein OR, Cooke KR, Spinella PC, Steiner ME, Loftis LL, Bembea MM, Pediatric ECMO (PediECMO) subgroup of the Pediatric Acute Lung Injury and Sepsis Investigators (PALISI) Network and the Extracorporeal Life Support Organization (ELSO). Outcomes of pediatric patients with oncologic disease or following hematopoietic stem cell transplant supported on extracorporeal membrane oxygenation: The PEDECOR experience. Pediatr Blood Cancer. 2020 Oct;67(10):e28403.
42. Hanson SJ, Owen EB, McDonald MJ, Woods KJ, Montgomery VL. Standardized Implementation of Evidence-based Guidelines to Decrease Blood Transfusions in Pediatric Intensive Care Units. Pediatr Qual Saf. 2019;4(3):e165. PMCID: PMC6594784
43. Steppan, DA, Coleman RD, Viamonte H, HANSON SJ, Carroll MK, Klein O, Cooke K, Spinella PC, Steiner M,,Loftis L, Bembea MM. Outcomes of pediatric patients with oncologic disease or hematopoietic stem cell transplant supported on extracorporeal membrane oxygenation. accepted Pediatric Blood and Cancer, April 2020
44. Patel N2, Petersen TL, Simpson PM, Feng M, and HANSON SJ. Complication Rates of Central Venous Catheter Types in Critically Ill Children. Accepted Critical Care Medicine June 2019.
45. Burek AG, Parker J, Bentzien R, Talbert L, Havas M and HANSON SJ. The Development of a Long Peripheral Catheter Program at a Large Pediatric Academic Center – a Pilot Study. Hospital Pediatrics. Accepted June 2020
46. Jaber B2, Zhang L, Simpson PM, and HANSON SJ4 and PediECMO Investigators. Extracorporeal

Membranous Oxygenation in Inotrope-Dependent Children with Respiratory Failure. accepted ASAIO, July 2020
47. HANSON SJ, Mahajerin A, Petty JK, and. Faustino EVS. Risks of Venous Thrombosis and Bleeding in Critically Ill Adolescents after Trauma or Major Surgery. Accepted Journal of Pediatric Surgery June 2020.
48. Patel N, Petersen TL, Simpson PM, Feng M, Hanson SJ. Rates of Venous Thromboembolism and Central Line-Associated Bloodstream Infections Among Types of Central Venous Access Devices in Critically Ill Children. Crit Care Med. 2020 Sep;48(9):1340-1348.
49. Hanson SJ, Mahajerin A, Petty JK, Shabanova V, Faustino EVS. Risks of venous thrombosis and bleeding in critically ill adolescents after trauma or major surgery. J Pediatr Surg. 2021 Feb;56(2):302-308.
50. Faustino EVS, Raffini LJ, Hanson SJ, Cholette JM, Pinto MG, Li S, Kandil SB, Nellis ME, Shabanova V, Silva CT, Tala JA, McPartland T, Spinella PC, for the CRETE Trial Investigators and the Pediatric Critical Care Blood Research Network (BloodNet) of the Pediatric Acute Lung Injury and Sepsis Investigators Network (PALISI), CRETE Trial Investigators: Clinical Coordinating Center:, and, Data Coordinating Center:, and, Outcomes Adjudication Committee:, and, Data and Safety Monitoring Board:, and, Independent Safety Monitor:, and, Children's Hospital Wisconsin:, and, Dell Children's Medical Center:, and, Maria Fareri Children's Hospital:, and, St. Louis Children's Hospital:, and, University of Rochester Golisano Children's Hospital:, and, Weill Cornell Medical Center:, and, and Yale-New Haven Children's Hospital:, and, for the CRETE Trial Investigators and the Pediatric Critical Care Blood Research Network (BloodNet) of the Pediatric Acute Lung Injury and Sepsis Investigators Network (PALISI) and CRETE Trial Investigators: Clinical Coordinating Center: and and and Data Coordinating Center: and and and Outcomes Adjudication Committee: and and and Data and Safety Monitoring Board: and and and Independent Safety Monitor: and and and Children's Hospital Wisconsin: and and and Dell Children's Medical Center: and and and Maria Fareri Children's Hospital: and and and St. Louis Children's Hospital: and and and University of Rochester Golisano Children's Hospital: and and and Weill Cornell Medical Center: and and and and Yale-New Haven Children's Hospital: and and. Age-Dependent Heterogeneity in the Efficacy of Prophylaxis With Enoxaparin Against Catheter-Associated Thrombosis in Critically Ill Children: A Post Hoc Analysis of a Bayesian Phase 2b Randomized Clinical Trial. Crit Care Med. 2021 Apr 01;49(4):e369-e380. PMCID: PMC7979442
51. Faustino EVS, Shabanova V, Raffini LJ, Kandil SB, Li S, Pinto MG, Cholette JM, Hanson SJ, Nellis ME, Silva CT, Chima R, Sharathkumar A, Thomas KA, McPartland T, Tala JA, Spinella PC, CRETE Trial Investigators and the Pediatric Critical Care Blood Research Network (BloodNet) of the Pediatric Acute Lung Injury and Sepsis Investigators Network (PALISI). Efficacy of Early Prophylaxis Against Catheter-Associated Thrombosis in Critically Ill Children: A Bayesian Phase 2b Randomized Clinical Trial. Crit Care Med. 2021 Mar 01;49(3):e235-e246. PMCID: PMC7902342
52. Hanson SJ, Patel N, Petersen TL, Feng M, Simpson PM. The authors reply. Crit Care Med. 2021 Jan 01;49(1):e111-e112.
53. Burek AG, Parker J, Bentzien R, Talbert L, Havas M, Hanson SJ. The Development of a Long Peripheral Catheter Program at a Large Pediatric Academic Center: A Pilot Study. Hosp Pediatr. 2020 Oct;10(10):897-901.
54. Leonard JC, Josephson CD, Luther JF, Wisniewski SR, Allen C, Chiusolo F, Davis AL, Finkelstein RA, Fitzgerald JC, Gaines BA, Goobie SM, Hanson SJ, Hewes HA, Johnson LH, McCollum MO, Muszynski JA, Nair AB, Rosenberg RB, Rouse TM, Sikavitsas A, Singleton MN, Steiner ME, Upperman JS, Vogel AM, Wills H, Winkler MK, Spinella PC. Life-Threatening Bleeding in Children: A Prospective Observational Study. Crit Care Med. 2021 Nov 01;49(11):1943-1954. PMCID: PMC8516672
55. Nellis ME, Goel R, Hendrickson JE, Birch R, Patel RM, Karafin MS, Hanson SJ, Sachais BS, Hauser RG, Luban NLC, Gottschall J, Sola-Visner M, Josephson CD, Karam O, NHLBI Recipient Epidemiology and Donor Evaluation Study-IV-Pediatric (REDS-IV-P). Transfusion practices in a large cohort of hospitalized children. Transfusion. 2021 Jul;61(7):2042-2053.
56. Mahajerin A, Petty JK, Hanson SJ, Shabanova V, Faustino EVS. Use of Pharmacologic Prophylaxis Against Venous Thromboembolism in Hospitalized Injured Children. J Pediatr Hematol Oncol. 2022 Mar 01;44(2):e349-e357.
57. Patel RM, Hendrickson JE, Nellis ME, Birch R, Goel R, Karam O, Karafin MS, Hanson SJ, Sachais BS, Hauser RG, Luban NLC, Gottschall J, Josephson CD, Sola-Visner M, National Heart, Lung, and Blood Institute Recipient Epidemiology and Donor Evaluation Study-IV-Pediatric (REDS-IV-P). Variation in

Neonatal Transfusion Practice. J Pediatr. 2021 Aug;235:92-99.e4. PMCID: PMC8316298

58. Jaber B, Bembea MM, Loftis LL, Spinella PC, Zhang L, Simpson PM, Hanson SJ, the Pediatric ECMO (PediECMO) Subgroup of the Pediatric Acute Lung Injury and Sepsis Investigators (PALISI) Network and the Extracorporeal Life Support Organization (ELSO). Venovenous Versus Venoarterial Extracorporeal Membranous Oxygenation in Inotrope Dependent Pediatric Patients With Respiratory Failure. ASAIO J. 2021 Apr 01;67(4):457-462.
59. Hanson SJ, Karam O, Birch R, Goel R, Patel RM, Sola-Visner M, Sachais BS, Hauser RG, Luban NLC, Gottschall J, Josephson CD, Hendrickson JE, Karafin MS, Nellis ME, National Heart, Lung, and Blood Institute (NHLBI) Recipient Epidemiology and Donor Evaluation Study-IV-Pediatric (REDS-IV-P). Transfusion Practices in Pediatric Cardiac Surgery Requiring Cardiopulmonary Bypass: A Secondary Analysis of a Clinical Database. Pediatr Crit Care Med. 2021 Nov 01;22(11):978-987. PMCID: PMC8570986

Books, Chapters, and Reviews

1. Owens J, McArthur J, HANSON SJ. Nutritional Considerations for Infants and Children during Critical Illness and Surgery, Chapter 23 Nutrition in Infancy, Springer, 2012

Abstracts

1. Brandow AM, HANSON SJ, Greenbaum L, "Vitamin D Deficient Rickets Presenting as Cardiopulmonary Arrest", Poster presented at American Academy of Pediatrics Annual Meeting, Oct. 2004, San Francisco, CA.
2. HANSON SJ, Stremski E. "Severe Permethrin Toxicity in a 19 month old child due to Inappropriate Home Treatment for Head Lice Control". Poster presented at the Society of Critical Care Medicine Annual Meeting, Jan 2005, Phoenix, AZ.
3. HANSON SJ, Kim MK, Hoffman GM, Berens RJ, "Effect of Volume Resuscitation on Perfusion in Dehydrated Pediatric Patients by Two-Site Near-Infrared Spectroscopy" Presented at American Academy of Pediatrics Annual Meeting, October 2005, Washington, DC.
4. HANSON SJ, Berens RJ, Kim MK, Hoffman GM, "Effect of Volume Resuscitation on Perfusion in Dehydrated Pediatric Patients by Two-Site Near-Infrared Spectroscopy" Poster presented at American Society of Anesthesiology Annual Meeting, October, 2005, Atlanta, Georgia.
5. HANSON SJ, Punzalan R, Ghanayem N, Havens PL, "The Prevalence of Heparin Dependent Platelet Antibodies in Children after Cardiopulmonary Bypass" presented at the 16th Pediatric Critical Care Colloquium, February 2006, Snowbird, Utah.
6. HANSON SJ, Punzalan R, Greenup R, Lui H, Sato TT, Havens PL, "Risk Factors for Venous Thromboembolism in Critically Ill Children after Trauma". Presented at 17th Pediatric Critical Care Colloquium, February 2008, Whistler, Canada
7. HANSON SJ, Havens PL, Wells R, "Comparison of Intrapleural Alteplase Fibrinolysis vs. Normal Saline Irrigation on Parapneumonic Effusion Drainage Volume in Children" American Thoracic Society, May 2008, Toronto, Canada.
8. HANSON SJ, Punzalan, RC, Ghanayem NS and Havens PL; "Incidence and Risk Factors for Venous Thromboembolism in Critically Ill Children with Cardiac Disease". Oral presentation at International Society of Thrombosis and Hemostasis, July 2009, Boston, MA.
9. HANSON SJ, Lawson KA, Brown AM, Christie LM, Totapally B, McArthur J, and Higgerson RA; "Management of Venous Thromboembolic Events in Pediatric ICU Patients"; Poster presentation at International Society of Thrombosis and Hemostasis, July 2009, Boston. Red ribbon award: top 1/3 of poster presentations.
10. Higgerson RA, HANSON SJ, Lawson KA, Christie LM, Totapally B, McArthur J, and Brown AM; "Incidence of Venous Thrombotic Events in a Diverse American Pediatric Intensive Care Unit Population"; Poster presentation at International Society of Thrombosis and Hemostasis, July 2009, Boston. Red ribbon award: top 1/3 of poster presentations.
11. Bauer P, HANSON SJ; "Pneumopericardium as a complication of intubation for hypoxemic respiratory failure secondary to infection with novel H1N1 Influenza A in a child." Poster presentation at American Thoracic Society Annual Meeting, May 2010, New Orleans, Louisiana
12. HANSON SJ, Punzalan, RC, Ghanayem NS, Christenson M, Kuhn E and Havens PL; "A Case-Control Analysis of risk factors for Venous Thromboembolism in Critically Ill Children with Cardiac Disease", Oral presentation at American Academy of Pediatrics Annual Meeting, Oct 2010, San Francisco.
13. HANSON SJ, Punzalan R, Arca M, Simpson P, Christensen M, Braun K, Havens PL, " Effectiveness of

Clinical Guidelines for DVT Prophylaxis in Reducing the Incidence of Venous Thromboembolism in Critically Ill Children after Trauma". Poster presentation at Society of Critical Care Medicine Annual Meeting, January, 2011, San Diego.

14. Faustino EV, HANSON SJ, Higgerson R, Lewis K, "Duration Of Central Venous Line Is Not Associated With Increased Deep Venous Thrombosis In Critically Ill Children" poster presentation Pediatric Academic Society, June 2011.
15. Schlitz BA, McArthur JA, HANSON SJ. "High Frequency Oscillatory Ventilation and The Severe Asthmatic: A Case Report" poster presentation American Thoracic Society Annual Meeting, May 2011.
16. Taylor S, HANSON SJ, Scott, JP et al. "Use of Recombinant Factor VIIa to control bleeding in Congenital Heart Surgery is Associated with Venous Thromboses" American Society of Anesthesiology, Chicago, September 2011
17. Jeziorczak P, HANSON SJ, Gourlay D, Arca M. "Ventilator Associated Tracheitis in the Pediatric Trauma Population." Poster presentation at Best Practices in Pediatrics Winter 2012 CME Conference, Wisconsin, March 2012.
18. Schloemer N, Abu-sultaneh S, HANSON SJ, et al. "Higher Doses of Low Molecular Weight Heparin are needed to Achieve Goal Anti-Xa Levels in Critically Ill Children" poster presentation at International Society of Thrombosis and Hemostasis, Liverpool, June 2012. Received young investigator travel award.
19. Abu-sultaneh S, Schloemer, N, HANSON SJ, et al. "Critically Ill Children Require Higher Doses of Low Molecular Weight Heparin to Achieve Therapeutic Anti-Xa Levels". Poster presentation at the Pediatric Critical Care Colloquium, September 2012, Santa Monica.
20. Fitzgerald R, Green J, HANSON SJ. "Multicenter Analysis of the Factors Associated with Unplanned Extubation in the Pediatric Intensive Care Unit". Oral presentation at Society of Critical Care Medicine Annual Meeting, January, 2013, Puerto Rico.
21. PROTRACT Study Investigators. "Central Venous Catheter Use and Thromboprophylaxis in Critically Ill Children" poster presentation at the Pediatric Academic Society, May 2013, Washington, DC.
22. PROTRACT Study Investigators. "Thromboprophylaxis in Critically Ill Children" poster presentation at the Pediatric Academic Society, May 2013, Washington, DC.
23. Sperka J, HANSON SJ, Hoffmann RG, et al. "The Effect of PALS guidelines on Trauma Airway Management: poster presentation at Pediatric Critical Care Colloquium, October 2013, Washington DC.
24. Salib M, HANSON SJ , Zimmerman H, Hoffman RG. "Changes to workflow in the PICU during different phases of transition from semi to full electronic health record" Poster presentation at Pediatric Academic Society, May 2014, Vancouver.
25. Balakrishnan B, Hoffmann RG, Dasgupta MA, Gajewski K, HANSON SJ. Utility of NIRS somatic oxygen saturation at admission as a predictor of type of resuscitation in the pediatric intensive care unit. Oral presentation Pediatric Critical Care Colloquium, July, 2014
26. Balakrishnan B, Hoffmann RG, Dasgupta MA, Gajewski K, HANSON SJ. Near Infrared Spectroscopic (NIRS) Somatic Oxygen Saturation at Admission As a Predictor of Need for Life Saving Interventions Among Unplanned Admissions to the Pediatric Intensive Care Unit, accepted for oral presentation American Academy of Pediatrics Annual Meeting, Sept 2014.
27. Onyeama SJ, HANSON SJ, Hoffmann RG, Dasgupta MA, Faustino EVS for the PROTRACT Study Group. Factors Associated with Continuous Heparin Infusion for CVC Patency in Critically Ill Children Worldwide, Poster presentation at Pediatric Critical Care Colloquium, July, 2014
28. Asfawossen A, HANSON SJ, Punzalan R, Yan K, Hoffmann RG. Sensitivity of Screening Guidelines for Identification of Hospitalized Children at Risk for Venous Thromboembolism. Poster presentation at Pediatric Critical Care Colloquium, July, 2014
29. Bhosrekar K, HANSON SJ. Hereditary Angioedema Presenting as Forearm Compartment Syndrome. Accepted for poster presentation at Society of Critical Care Medicine Annual Meeting, January, 2016.
30. Bhosrekar K, HANSON SJ. Hereditary Angioedema Presenting as Forearm Compartment Syndrome. Accepted for poster presentation at Best Practices in Pediatrics Winter 2016 CME Conference, March 2016, Wisconsin Dells.
31. Landisch R, HANSON SJ, Punzalan R, Braun K, Gourlay D. Efficacy of Screening Ultrasound for VTE diagnosis in Critically Ill Children after Trauma, oral presentation Hemostasis and Thrombosis Research Society, April 2016.
32. Landisch R, HANSON SJ, Punzalan R, Braun K, Gourlay D. Anticoagulation for Venous Thromboembolism

Prophylaxis and Treatment in Children with Severe Traumatic Brain Injury, poster presentation, Hemostasis and Thrombosis Research Society, April 2016.

33. Landisch R, HANSON SJ, Punzalan R, Braun K, Gourlay D. Evaluation of guidelines for injured children at high risk for VTE: a prospective observational study. Accepted for oral presentation AAST, Honolulu, Sept 2016.
34. Landisch R, HANSON SJ, Punzalan R, Braun K, Gourlay D. Screening Guidelines are Accurate in Identifying Injured Children at High Risk for Venous Thromboembolism, oral presentation Pediatric Trauma Society, Nashville, November 2016
35. Balakrishan B, Flynn-O'Brien K, Simpson P, Dasgupta M, HANSON SJ. Enteral Nutrition Initiation in Children Admitted to the Pediatric Intensive Care Unit after Traumatic Brain Injury. Poster presentation at Annual Neurocritical Care Society Meeting, National Harbor, September 2016.
36. Bigelow A, Flynn-O'Brien K, Simpson P, Dasgupta M, HANSON SJ.Factors Associated with VTE Prophylaxis in Pediatric Trauma Patients Admitted to the ICU, oral presentation Pediatric Trauma Society, Nashville, November 2016.
37. Bigelow A, Flynn-O'Brien K, Simpson P, Dasgupta M, HANSON SJ. Multicenter review of Current Practices Associated with VTE Prophylaxis in Pediatric Trauma Patients, oral presentation, Society of Critical Care Medicine Annual Conference, Honolulu, Jan 2017.
38. Noonan P, Petersen T, Simpson P, HANSON SJ. Comparison of Complication Rates of Central Venous Catheters Versus Peripherally Inserted Central Venous Catheters in Pediatric Patients. Poster presentation, Society of Critical Care Medicine Annual Conference, Honolulu, Jan 2017.
39. Balakrishnan B, Dasgupta M, Simpson P, HANSON SJ. Impact of Timing of Placement of Intracranial Pressure Monitor on Outcomes in Children with Severe Traumatic Brain Injury, oral presentation Pediatric Trauma Society, Charleston, November 2017
pediatrictraumasociety.org/meeting/abstracts/2017/32.cgi