

Thorsten Haas, MD

Curriculum Vitae

Name: Thorsten Haas, MD

Signature: 

Date of Preparation: January 30, 2022

A. PERSONAL DATA

Office address:	Koelner Platz 1, 80804 Munich, Germany
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Email address - Work:	thorsten.haas@muenchen-klinik.de
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Is your eligibility to work in the U.S. based on an employment visa?:	Yes
If yes, please provide Visa type (Example: J-1, H-1B, E-3, TN, etc.):	

B. EDUCATION

Medical School	Johannes Gutenberg University, Mainz, Germany	1992 – 1998
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C. POSTDOCTORAL TRAINING

Residency in Anesthesiology	Part I: Department of Anesthesiology Johannes Gutenberg-University, Mainz, Germany	10/1998 – 05/1999
	Part II: Department of Anesthesia Dr.-Horst-Schmitt-Kliniken, Wiesbaden, Germany	06/1999 – 08/2001
	Part III: Department of Anesthesiology and Critical Care Medicine Innsbruck Medical University, Innsbruck, Austria	09/2001 – 11/2004

D. PROFESSIONAL POSITIONS & EMPLOYMENT

Academic Appointments

Professor Anesthesiology	Department of Pediatric Anesthesiology Zurich University Children's Hospital, Zurich, Switzerland	02/2016 – 06/2021
Associate Professor Anesthesiology	Department of Pediatric Anesthesiology Zurich University Children's Hospital, Zurich, Switzerland	01/2011 – 01/2016
Associate Professor Anesthesiology	Department of Anesthesiology and Critical Care Medicine Innsbruck Medical University, Innsbruck, Austria	09/2009 – 12/2010

Hospital Appointments

Senior Attending, Pediatric Anesthesiology	Department of Anesthesiology, Pediatric Anesthesiology and Critical Care Medicine Munich Municipal Hospital Group, Munich, Germany	07/2021 – <i>to present</i>
Attending, Pediatric Anesthesiology	Department of Pediatric Anesthesiology Zurich University Children's Hospital, Zurich, Switzerland	01/2011 – 06/2021
Attending, Anesthesiology	Department of Anesthesiology and Critical Care Medicine Innsbruck Medical University, Innsbruck, Austria	09/2009 – 12/2010

Other Professional Positions & Employment

Medical Director, Coagulation & Critical Care	Clinical Research & Development CSL Behring, Marburg, Germany	09/2007 – 08/2009
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E. LICENSURE, BOARD CERTIFICATION

Medical Licensure

Landesamt für Soziales, Jugend und Versorgung des Landes Rheinland- Pfalz, Germany	05/01/2000 – present
Medizinalberufskommission, Bern, Switzerland	03/02/2011 – 06/30/2021

Board Certification

Landesärztekammer Hessen, Germany	Anesthesiology	10/13/2004
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Other Certificates

Chief Emergency Physician	Landesärztekammer Tirol, Austria	07/20/2005
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Emergency Physician	Landesärztekammer Hessen, Germany	10/26/2000
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F. CURRENT INSTITUTIONAL/HOSPITAL AFFILIATION

Primary Hospital Affiliation:	Munich Municipal Hospital Group, Munich, Germany
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G. EMPLOYMENT STATUS

Name of Current Employer(s):	Munich Municipal Hospital Group, Munich, Germany
Current Employment Status:	Full-time salaried by Munich Municipal Hospital Group, Munich, Germany

H. PROFESSIONAL ORGANIZATIONS AND SOCIETY MEMBERSHIPS

Society for the Advancement of Blood Management	2017 – 2021
Pediatric Craniofacial Collaborative Group, Boston Children's Hospital	2019 – 2021
European Society of Anaesthesiology (ESA)	2011 – to present

I. EDUCATIONAL CONTRIBUTIONS

Steering committee of New York Perioperative Hemostasis Course at Weill Cornell Medicine, July 2016

Lecturer at Austrian American Foundation (AAF), Salzburg, Austria for massive bleeding Management and Infusion Therapy from 2012 – 2014.

Course Director for the Education of Emergency Physicians in Tirol, Austria 2006 – 2007

Instructor for Advanced Cardiac Life Support (European Resuscitation Council) 2005 – 2006

J. RESEARCH

Research Activities:

- Collaboration with hemostasis research group in Innsbruck, Austria (Leader: Dietmar Fries). This has led to three piglet studies, two clinical trials, three in vitro trials and a total of 16 publications in peer-reviewed journals. We have funded the clot work research group.
- Collaboration with Boston Children's Hospital, USA. This has led to 7 publications in peer-reviewed journals
- Collaboration with Weill Cornell Medicine, New York, USA. This has led to one clinical trial, three in vitro trials and 20 publications in peer-reviewed journals. In addition, I was helping with the clinical implementation of viscoelastic testing (ROTEM) and clinical training at the NewYork-Presbyterian hospital. We have organized and conducted an international bleeding management seminar in New York in 2016.
- Implementation of ROTEM-guided bleeding management in pediatric major surgeries at the University Children's Hospital in Zurich, Switzerland. This has led to realization of a randomized, clinical study in children which was published in British Journal of Anaesthesiology in 2015.
- Implementation of a pediatric Patient Blood Management project at the University Children's Hospital in Zurich, Switzerland. At this time, it was one of the first centers nationally and internationally which has enforced strict performance of a PBM project in children.
- All the above listed activities has led to invitation to international conference as an expert in pediatric bleeding management, the use of coagulation factor concentrates for bleeding management, the use of viscoelastic testing for bleeding management, and Patient Blood management in children and adults.
- I'm a member of the scientific experts group of the European Society of Anesthesiology and we have published two European guidelines for perioperative bleeding management in 2013 and 2016.
- I'm a member of the Member of the Transfusion-Anemia eXpert Initiative - Control/Avoidance of Bleeding - TAXI-CAB and we have just recently published recommendations for the use of platelet concentrates and plasma in children.

Research Support:

Past (Completed) Funding

National Society of Anesthesiology in Switzerland. Clinical study "Fibrinogen in major pediatric surgery". 2013 – 2015. Sponsor and PI

* Peer-reviewed Research Article: #22

K. MENTORING

Past Mentees:

Iliana Muster, Medical student at
University Hospital Zurich, Zurich,
Switzerland (2016– 2017)

Mentor for preparation of doctoral thesis (research) ¹⁾

Cyrille Baumann, Medical student at
University Hospital Zurich, Zurich,
Switzerland (2014 – 2015)

Mentor for preparation of doctoral thesis (research) ²⁾

Tanja Restin, MD at University Hospital,
Innsbruck, Austria (2014 – 2015)

Mentor for PhD program (research) ³⁾

Anja Preinreich, Medical student at
University Hospital, Innsbruck, Austria
(2006 – 2007)

Mentor for preparation of doctoral thesis (research) ⁴⁾

Axel Knauth, MD at University Children's
Hospital, Zurich, Switzerland (2006 –
2007)

Mentor for preparation of doctoral thesis (research) ⁵⁾

- 1) Muster I, Haas T, Quandt D, Kretschmar O, Knirsch W. Factors Influencing ACT After Intravenous Bolus Administration of 100 IU/kg of Unfractionated Heparin During Cardiac Catheterization in Children. Clin Appl Thromb Hemost. 2017;23:740-747
- 2) Baumann C, Lamesic G, Weiss M, Cushing M, Haas T. Evaluation of the minimum volume of salvage blood required for the successful use of two different autotransfusion devices Paediatr Anaesth. 2015;25(3):258-64
- 3) Haas T, Spielmann N, Restin T, Seifert B, Henze G, Obwegeser J, Min K, Jeszenszky D, Weiss M, Schmugge M. Higher fibrinogen concentrations for reduction of transfusion requirements during major paediatric surgery: A prospective randomised controlled trial. Br J Anaesth. 2015 Aug;115(2):234-43.
- 4) Haas T, Preinreich A, Oswald E, Pajk W, Berger J, Kuehbach G, Innerhofer P. Effects of albumin 5% and artificial colloids on clot formation in small infants. Anaesthesia 2007; Oct;62(10):1000-7.
- 5) Knauth A, Weiss M, Dave M, Frotzler A, **Haas T**. Comparison of antifog methods in endoscopy. What really helps. Anaesthesist 2012 Dec;61(12):1036-44

L. INSTITUTIONAL LEADERSHIP ACTIVITIES

Senior Attending/Vice Chair	Munich Municipal Hospital Group, Munich, Germany	07/2021 to present
Senior Attending	Department of Pediatric Anesthesiology Zurich University Children's Hospital, Zurich, Switzerland	06/2016 – 06/2021

M. INSTITUTIONAL ADMINISTRATIVE ACTIVITIES

Co-chair of Transfusion Committee	Zurich University Children's Hospital	2018 – 2021
Founder and Head of Pediatric Patient Blood Management	Zurich University Children's Hospital	2018 – 2021

N. EXTRAMURAL PROFESSIONAL RESPONSIBILITIES

Member of the Transfusion-Anemia eXpert Initiative - Control/Avoidance of Bleeding (TAXI-CAB)		2019 – to present
Member of the Scientific Committee for the Network for the Advancement of Patient Blood Management, Haemostasis and Thrombosis (NATA)		2018 – to present

European Society of Anaesthesiology (ESA) Subgroup for Perioperative Coagulation Management	2011 – to present
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Editorial Activities

Journal Reviewing/ad hoc reviewing

Expert Review of Clinical Pharmacology	2020 – to present
Anesthesiology	2019 – to present
BMC Anesthesiology	2019 – to present
Journal of Pediatrics	2019 – to present
Acta Anesthesiology Scandinavia	2018 – to present
Transfusion Medicine	2018 – to present
Biologicals	2017 – to present
Journal of Clinical Anesthesiology	2017 – to present
Thrombosis and Hemostasis	2017 – to present
Journal of Thrombosis and Hemostasis	2016 – to present
Transfusion	2016 – to present
Pediatric Hematology and Oncology	2016 – to present
Journal of Pediatric Surgery	2015 – to present
Clinical Application of Thrombosis and Hemostasis	2014 – to present
Pediatric Anesthesiology	2014 – to present
Clinical Chemistry and Laboratory Medicine	2013 – to present
Journal of Trauma	2013 – to present
Blood Transfusion	2012 – to present
Journal of Critical Care	2011 – to present
Scandinavian Journal of Haemostasis	2010 – to present
British Journal of Anaesthesia	2009 – to present
Critical Care Medicine	2009 – to present

O. INVITATIONS TO SPEAK/PRESENT

Regional

Pediatric bleeding management	Annual meeting Pediatric Anesthesia Society Switzerland	Luzern, Switzerland	June 30, 2017
Bleeding history	Annual meeting Pediatric Anesthesia Society Switzerland	Luzern, Switzerland	June 30, 2017

Plasma transfusion	Annual meeting Pediatric Anesthesia Society Switzerland	Luzern, Switzerland	June 30, 2017
Thrombelastometry workshop	Emergency Medical Symposium, Innsbruck Medical University	Innsbruck, Austria	November 7, 2010

National

Bleeding management during pediatric surgery	Perioperative bleeding management seminar, Schoechl Medical Education Company	Klosters, Switzerland	November 30, 2019
Pediatric bleeding management	Perioperative bleeding management seminar, Schoechl Medical Education Company	Klosters, Switzerland	November 25, 2017
Point of care guided transfusion management	European Society of Anesthesiology Annual Congress	Geneva, Switzerland	June 3, 2017
ROTEM-guided bleeding management	Monthly Seminar Rounds in Anesthesiology, UKBB Hospital	Basel, Switzerland	May 2, 2017
Pediatric bleeding management	Perioperative bleeding management seminar, Schoechl Medical Education Company	Klosters, Switzerland	October 16, 2016
Perioperative bleeding management	Syndromic Scoliosis Symposium Schulthess Clinic	Zurich, Switzerland	May 19, 2016
Massive bleeding management	Postgraduate meeting Neonatology	Bern, Switzerland	March 12, 2015
Pediatric bleeding management	Perioperative bleeding management seminar, Schoechl Medical Education Company	Klosters, Switzerland	October 5, 2014
Pediatric bleeding management	Perioperative bleeding management seminar, Schoechl Medical Education Company	Klosters, Switzerland	November 13, 2013
Pediatric bleeding management	Perioperative bleeding management seminar, Schoechl Medical Education Company	Klosters, Switzerland	November 13, 2013
Bleeding management in children	21. Innsbrucker UPDATE Anästhesie und Intensivmedizin	Innsbruck, Austria	November 8, 2013
Pediatric bleeding management	Perioperative bleeding management seminar, Schoechl Medical Education Company	St. Gilgen, Austria	October 7, 2012

Cases of pediatric anesthesiology	Monthly anesthesiology seminars of Community Hospital Grabs	Grabs, Switzerland	September 12, 2012
Intraoperative transfusion management	Annual meeting Anesthesia Society Switzerland	Geneva, Switzerland	September 5, 2012
Thromboelastometry	Silamed Horgen Congress	Horgen, Switzerland	April 24, 2012
Dilutional coagulopathy	Annual meeting Anesthesia Society Switzerland	Aarau, Switzerland	January 31, 2012
Coagulation diagnostics	Annual meeting Anesthesia Society Switzerland	Interlaken, Switzerland	September 21, 2011
Role of FXIII in bleeding Management	Allander Gerinnungsrunde	Leoben, Austria	November 18, 2010
Bleeding Management	Perioperative bleeding management seminar, Schoechl Medical Education Company	St. Gilgen, Austria	October 2, 2010
Massive bleeding	IFIMP meet the expert meeting	Innsbruck, Austria	June 21, 2007

International

PBM – European expertise	American Society of Anesthesiology annual congress	San Diego, USA	October 14, 2021
Viscoelastic testing in pediatrics	American Society of Anesthesiology annual congress	San Diego, USA	October 12, 2021
Role of acquired fibrinogen deficiency in major bleeding	Congress of Anaesthesia and Intensive Care in Belarus	Webinar	October 28, 2021
Patient Blood Management in Children	Paediatric Anaesthesia Meeting of the Malaysian Society of Anaesthesiologists	Webinar	October 23, 2021
Fibrinogen supplementation during major surgery	Bleeding Management Seminar, Hospital das Clínicas da UFG	Goiania, Brazil	November 15, 2019
Patient Blood Management	Bleeding Management Seminar, Hospital das Clínicas da UFG	Goiania, Brazil	November 15, 2019
Plasma transfusion	Bleeding Management Seminar, Hospital das Clínicas da UFG	Goiania, Brazil	November 15, 2019
Prothrombin complex, fibrinogen, FXIII – what’s happening around the world	Association for the Advancement of Blood & Biotherapies, annual congress	San Diego, USA	October 20, 2019

Bleeding management in specialized indications	Octa Academy, Octapharma	Jakarta, Indonesia	October 4, 2019
Viscoelastic testing	Octa Academy, Octapharma	Jakarta, Indonesia	October 4, 2019
Current standards in bleeding management	1 st Vienna Weekshop on Perioperative Bleeding Management, University of Vienna	Vienna, Austria	June 2, 2019
Pediatric transfusion management	1 st Vienna Weekshop on Perioperative Bleeding Management, University of Vienna	Vienna, Austria	June 2, 2019
Coagulation factors	Network for the Advancement of Patient Blood Management, Haemostasis and Thrombosis, annual meeting	Berlin, Germany	April 4, 2019
Modern coagulation therapy	Network for the Advancement of Patient Blood Management, Haemostasis and Thrombosis, annual meeting	Berlin, Germany	April 4, 2019
Current standard of care in the treatment of coagulopathy in acutely bleeding patients	Euroanesthesia, annual congress	Vienna, Austria	June 2, 2019
Pediatric transfusion management	Grand Rounds Anesthesiology, University Hospital Kiel	Kiel, Germany	March 20, 2019
Plasma based coagulation testing	Innsbruck Anesthesia Symposium, University Hospital Innsbruck	Innsbruck, Austria	November 29, 2018
Patient Blood Management	FOCUS meeting European Society of Anesthesiology	Sofia, Bulgaria	November 9, 2018
Colloids pro&con	FOCUS meeting European Society of Anesthesiology	Sofia, Bulgaria	November 9, 2018
Use of coagulation factors	Grand Rounds Anesthesiology, Boston Children's Hospital	Boston, USA	October 13, 2018
Pediatric PBM	German Society of Anesthesiology, Annual congress	Nuremberg, Germany	April 26, 2018
Perioperative bleeding management in children	Perioperative bleeding management seminar, Schoechl Medical Education Company	Schneverdingen, Germany	April 21, 2018
Bleeding control in pediatric patients	Portuguese Society of Anesthesiology, Annual congress	Lisboa, Portugal	March 10, 2018
Goal-directed bleeding management	Portuguese Society of Anesthesiology, Annual congress	Lisboa, Portugal	March 10, 2018

Master the bleeding disaster	Association for the Advancement of Blood & Biotherapies, annual congress	San Diego, USA	October 8, 2017
ROTEM-guided bleeding management	Instrumentation Laboratories Educational Event	New York, USA	March 2, 2017
Targeted bleeding management	Innsbruck Anesthesia Symposium, Medical University of Innsbruck	Innsbruck, Austria	November 15, 2016
Blood transfusion in children	Vinzenz Gruppe Kongresstage, Hospital Barmherzige Schwestern, Linz	Linz, Austria	November 11, 2016
Perioperative bleeding management	Association for the Advancement of Blood & Biotherapies, annual meeting	Orlando, USA	October 23, 2016
Coagulation strategy	10 th Pediatric Anesthesia Meeting, Loughborough	Loughborough, UK	October 6, 2016
Reducing transfusion requirements in children	Society for the Advancement of Blood Management, annual meeting	Grand Rapids, USA	September 30, 2016
Bleeding management in pediatric surgery	DUK Bleeding Management Seminar, University Krems	Hainburg, Austria	June 16, 2016
Use of viscoelastic testing for bleeding management	Blood Banks Association of New York State, annual meeting	Albany, USA	June 9, 2016
Use of viscoelastic testing in bleeding patients	Visiting Professor Pathology, Weill Cornell Medicine	New York, USA	April 22, 2016
From the basics to advanced case interpretation with thromboelastometry	PostGraduate Assembly in Anesthesiology, annual meeting	New York, USA	December 12, 2015
Perioperative coagulation management in children	Annual Scientific Meeting of the: Haematology Society of Australia and New Zealand, Australian and New Zealand Society of Blood Transfusion and Thrombosis and Haemostasis society of Australia and New Zealand Symposium 2015	Adelaide, Australia	October 20, 2015
Plasma coagulation testing	Annual Scientific Meeting of the: Haematology Society of Australia and New Zealand, Australian and New Zealand Society of Blood Transfusion and Thrombosis and Haemostasis society of Australia and New Zealand Symposium 2015	Adelaide, Australia	October 20, 2015
Dilutional Coagulopathy	Annual Scientific Meeting of the: Haematology Society of Australia and New Zealand, Australian and New Zealand Society of Blood Transfusion and	Adelaide, Australia	October 20, 2015

Thrombosis and Haemostasis society of
Australia and New Zealand Symposium
2015

Autotransfusion in children	Euroanesthesia annual meeting	Berlin, Germany	May 30, 2015
Coagulation strategies	Association of Paediatric Anaesthesia, Annual scientific meeting	Aberdeen, Scotland	May 14, 2015
Pediatric bleeding management	Kinderanästhesie aktuell, University Hospital Cologne	Cologne, Germany	March 20, 2015
ROTEM-guided transfusion management	Grand Rounds Anesthesiology, Duke University	Durham, USA	February 3, 2015
Pediatric bleeding management	Perioperative bleeding management seminar, Schoechl Medical Education Company	St. Gilgen, Austria	October 5, 2014
Practical advantage of ROTEM	Association for the Advancement of Blood & Biotherapies, annual meeting	Philadelphia, USA	October 28, 2014
Perioperative Bleeding Management in Children	DOKU symposium, University Hospital Berlin	Berlin, Germany	October 29, 2014
Introduction to ROTEM	Visiting professor lecture, Weill Cornell Medicine	New York, USA	August 28, 2014
Infusion therapy in pediatric surgery	Wiener Bluttag, University Hospital Vienna	Vienna, Austria	June 13, 2014
Infusion therapy in neurosurgeon surgeries	Wiener Bluttag, University Hospital Vienna	Vienna, Austria	June 13, 2014
Update on Coagulation	Euroanesthesia annual meeting	Stockholm, Sweden	May 31, 2014
Interactive ROTEM cases	Visiting professor lecture, Weill Cornell Medicine	New York, USA	May 1, 2014
ROTEM-guided bleeding management	Anesthesia Grand Rounds, Boston Children's Hospital	Boston, USA	April 30, 2014
Transfusion in childhood	Wiener Bluttag, University Hospital Vienna	Vienna, Austria	April 26, 2014
Why should we aim for less blood products?	Anesthesia Grand Round, University Hospital Lisboa	Cascais, Portugal	March 8, 2014
Volume replacement during pediatric surgery	Grand Round Anesthesiology, University Hospital Vienna	Vienna, Austria	February 13, 2014

Massive blood loss in children	Annual meeting of Slovenian Society of Anesthesiology (SSAICM)	Ljubljana, Slovenia	January 16, 2014
Pediatric bleeding management	Grand Round Anesthesiology, Hospital Feldkirch	Feldkirch, Austria	November 25, 2013
Bleeding child	UPDATE seminar, Medical University Innsbruck	Innsbruck, Austria	October 22, 2013
Case scenarios bleeding management	Visiting professor lecture, Weill Cornell Medicine	New York, USA	October 30, 2013
Pediatric bleeding management	Perioperative bleeding management seminar, Schoechl Medical Education Company	St. Gilgen, Austria	October 6, 2013
Perioperative bleeding management	Grand Rounds Anesthesiology, Weill Cornell Medicine	New York, USA	July 11, 2013
Laboratory vs ROTEM guided bleeding management	Visiting Professor lecture, Hospital for Special Surgery, New York	New York, USA	July 9, 2013
Pediatric bleeding management	Allander Gerinnungsrunde	Alland, Austria	June 13, 2013
Acute perioperative bleeding management	Anesthesia Grand Round, Boston Children's Hospital	Boston, USA	April 10, 2013
The other side of transfusion	Reduction the Transfusion Symposium, Cascais Hospital	Cascais, Portugal	March 16, 2013
Preoperative coagulation diagnostics	1 st Regional Coagulation Meeting, University Hospital Vienna	Vienna, Austria	January 24, 2013
Fibrinogen for bleeding management	Annual meeting Portuguese Society of Anesthesiology	Porto, Portugal	May 11, 2012
Massive bleeding in a child	International Symposium on Intensive Care & Emergency Medicine, annual congress	Brussels, Belgium	March 21, 2012
Pediatric Bleeding Management	Perioperative bleeding management seminar, Schoechl Medical Education Company	Klosters, Switzerland	November 19, 2011
Course of FXIII during pediatric major surgery	Annual meeting Society of Anesthesiology, Switzerland	Interlaken, Switzerland	October 28, 2011
Antifibrinolytic drugs	European Society of Anesthesiology Annual meeting	Amsterdam, Netherlands	June 12, 2011
Massive blood loss	Perioperative bleeding management seminar, Schoechl Medical Education Company	Koenigstein, Germany	February 4, 2011

Pediatric bleeding management	Annual symposium of German Society of Anesthesiology (SAT)	Mannheim, Germany	December 10, 2010
Factor XIII	Perioperative bleeding management seminar, Schoechl Medical Education Company	Klosters, Switzerland	November 19, 2010
Role of FXIII in bleeding management	Perioperative bleeding management seminar, Schoechl Medical Education Company	Bad Sassendorf, Germany	September 17, 2010
Dilutional coagulopathy	Perioperative Bleeding Management Seminar, University Hospital Lausanne	Lausanne, Switzerland	September 10, 2010
Bleeding Management in Childhood	European Paediatric Surgeons Association meeting, Hospital Bern	Bern, Switzerland	June 10, 2010
Influence of colloids on coagulation	Perioperative bleeding management seminar, Schoechl Medical Education Company	Schneverdingen, Germany	May 28, 2010
Dilutional Coagulopathy	Perioperative bleeding management seminar, Schoechl Medical Education Company	Königstein, Germany	February 5, 2010
Dilutional Coagulopathy	Perioperative bleeding management Symposium, Hospital Lausanne	Lausanne, Switzerland	October 24, 2009
Interaction of volume replacement and bleeding	Perioperative Coagulation Seminar Nordbayern	Pommersfelden, Germany	October 28, 2008
Dilutional coagulopathy	Perioperative bleeding management seminar, Schoechl Medical Education Company	Bad Sassendorf, Germany	August 18, 2007
Role of FXIII in bleeding management	Perioperative bleeding management seminar, Schoechl Medical Education Company	Schneverdingen, Germany	June 16, 2007
FXIII deficiency	Perioperative bleeding management seminar, Schoechl Medical Education Company	Seeon, Germany	May 12, 2007
Factor XIII	Allander Gerinnungsrunde	Alland, Vienna	December 12, 2006
Dilutional coaguopathy	Norddeutsche Anästhesietage	Hamburg, Germany	December 8, 2006
Dilutional coagulopathy	Grand Rounds Anesthesiology, MHH University Hannover	Hannover, Germany	November 30, 2006

Dilutional coagulopathy	Perioperative bleeding management seminar, Schoechl Medical Education Company	Bad Sassendorf, Germany	August 19, 2006
Dilutional coagulopathy	Perioperative bleeding management seminar, Schoechl Medical Education Company	Potsdam, Germany	April 1, 2006
Volume replacement	Perioperative bleeding management seminar, Schoechl Medical Education Company	Schneeverdingen, Germany	March 4, 2006
Dilutional coagulopathy	Seminar coagulation management, Hospital Luebeck	Luebeck, Germany	February 11, 2006
Dilutional coagulopathy	Grand Rounds Anesthesiology, University Hospital Goettingen	Goettingen, Germany	February 10, 2006
Dilutional coagulopathy	Grand Round Anesthesiology, Hospital Donaueschingen	Donaueschingen, Germany	November 19, 2005
Perioperative bleeding management	Grand Round Anesthesiology, Hospital Offenbach	Offenbach, Germany	November 14, 2005
Perioperative bleeding management	Grand Round Anesthesiology, Hospital Karlsbad	Karlsbad, Germany	November 9, 2005
Dilutional coagulopathy	Perioperative bleeding management seminar, Schoechl Medical Education Company	Bad Sassendorf, Germany	September 5, 2005
ROTEM-guided bleeding management	Grand Round Anesthesiology, Hospital Neumünster	Neumuenster, Germany	June 9, 2005

P. **BIBLIOGRAPHY**

1. **Peer-reviewed Research Articles:**

1. Nellis ME, Karam O, Valentine SL, Bateman ST, Remy KE, Lacroix J, Cholette JM, Bembea MM, Russell RT, Steiner ME, Goobie SM, Tucci M, Stricker PA, Stanworth SJ, Delaney M, Lieberman L, Muszynski JA, Bauer DF, Steffen K, Nishijima D, Ibla J, Emani S, Vogel AM, **Haas T**, Goel R, Crighton G, Delgado D, Demetres M, Parker RI; Pediatric Critical Care Transfusion and Anemia EXpertise Initiative—Control/Avoidance of Bleeding (TAXI-CAB), in collaboration with the Pediatric Critical Care Blood Research Network (BloodNet), and the Pediatric Acute Lung Injury and Sepsis Investigators (PALISI) Network. Executive Summary of Recommendations and Expert Consensus for Plasma and Platelet Transfusion Practice in Critically Ill Children: From the Transfusion and Anemia EXpertise Initiative-Control/Avoidance of Bleeding (TAXI-CAB). *Pediatr Crit Care Med*. 2022 Jan 1;23(1):34-51. doi: 10.1097/PCC.0000000000002851.

2. Tucci M, Crighton G, Goobie SM, Russell RT, Parker RI, **Haas T**, Nellis ME, Vogel AM, Lacroix J, Stricker PA; Pediatric Critical Care Transfusion and Anemia EXpertise Initiative–Control/Avoidance of Bleeding (TAXI-CAB), in collaboration with the Pediatric Critical Care Blood Research Network (BloodNet), and the Pediatric Acute Lung Injury and Sepsis Investigators (PALISI) Network. Plasma and Platelet Transfusion Strategies in Critically Ill Children Following Noncardiac Surgery and Critically Ill Children Undergoing Invasive Procedures Outside the Operating Room: From the Transfusion and Anemia EXpertise Initiative–Control/Avoidance of Bleeding. *Pediatr Crit Care Med*. 2022 Jan 1;23(Supplement 1 1S):e50-e62. doi: 10.1097/PCC.0000000000002858.
3. Russell R, Bauer DF, Goobie SM, **Haas T**, Nellis ME, Nishijima DK, Vogel AM, Lacroix J; Transfusion and Anemia EXpertise Initiative–Control/Avoidance of Bleeding (TAXI-CAB), the Pediatric Critical Care Blood Research Network (BloodNet), and the Pediatric Acute Lung Injury and Sepsis Investigators (PALISI) Network. Plasma and Platelet Transfusion Strategies in Critically Ill Children Following Severe Trauma, Traumatic Brain Injury, and/or Intracranial Hemorrhage: From the Transfusion and Anemia EXpertise Initiative–Control/Avoidance of Bleeding. *Pediatr Crit Care Med*. 2022 Jan 1;23(Supplement 1 1S):e14-e24. doi: 10.1097/PCC.0000000000002855.
4. Restin T, Schmutge M, Cushing MM, **Haas T**. Comparison between intraoperative bleeding score and ROTEM® measurements to assess coagulopathy during major pediatric surgery. *Transfus Apher Sci*. 2021 Jun 19;103191. doi: 10.1016/j.transci.2021.103191.
5. Meyer Sauter PM, Krautter S, Ambroggio L, Seiler M, Paioni P, Relly C, Capaul R, Kellenberger C, **Haas T**, Gysin C, Bachmann LM, van Rossum AMC, Berger C. Improved diagnostics help to identify clinical features and biomarkers that predict *Mycoplasma pneumoniae* community-acquired pneumonia in children. *Clin Infect Dis*. 2019 Oct 26. doi: 10.1093/cid/ciz1059.
6. Granegger M, Thamsen B, Schlöglhofer T, Lach S, Escher A, **Haas T**, Meboldt M, Schweiger M, Hübner M, Zimpfer D. Blood trauma potential of the HeartWare Ventricular Assist Device in pediatric patients. *J Thorac Cardiovasc Surg*. 2020 Apr;159(4):1519-1527.e1. doi: 10.1016/j.jtcvs.2019.06.084.
7. Meyer Sauter PM, Seiler M, Trück J, Unger WW, Paioni P, Relly C, Staubli G, **Haas T**, Gysin C, Bachmann LM, van Rossum AMC, Berger C. Diagnosis of *Mycoplasma pneumoniae* Pneumonia with Measurement of Specific Antibody-secreting Cells. *Am J Respir Crit Care Med*. 2019 Oct 15;200(8):1066-1069. doi: 10.1164/rccm.201904-0860LE.
8. Cushing MM, Asmis LM, Harris RM, DeSimone RA, Hill S, Ivancu N, **Haas T**. Efficacy of a new pathogen-reduced cryoprecipitate stored 5 days after thawing to correct dilutional coagulopathy in vitro. *Transfusion*. 2019 May;59(5):1818-1826. doi: 10.1111/trf.15157.
9. **Haas T**, Cushing MM, Varga S, Gilloz S, Schmutge M. Usefulness of multiple electrode aggregometry as a screening tool for bleeding disorders in a pediatric hospital. *Platelets*. 2019;30(4):498-505. doi: 10.1080/09537104.2018.1475631.
10. **Haas T**, Cushing MM, Asmis LM. Comparison of the efficacy of two human fibrinogen concentrates to treat dilutional coagulopathy in vitro. *Scan J Clin Lab Invest*. 2018 May;78(3):230-235. doi: 10.1080/00365513.2018.1437645.

11. Cushing MM, Fitzgerald MM, Harris RM, Asmis LM, **Haas T**. Influence of cryoprecipitate, Factor XIII, and fibrinogen concentrate on hyperfibrinolysis. *Transfusion*. 2017 Oct;57(10):2502-2510. doi: 10.1111/trf.14259.
12. Muster I, **Haas T**, Quandt D, Kretschmar O, Knirsch W. Factors Influencing ACT After Intravenous Bolus Administration of 100 IU/kg of Unfractionated Heparin During Cardiac Catheterization in Children. *Clin Appl Thromb Hemost*. 2017 Oct;23(7):740-747. doi: 10.1177/1076029616660761.
13. Schmidt AR, Ruetzler K, **Haas T**, Schmitz A, Weiss M. Anaesthesist. [Monitoring tidal volumes when using the Ventrain® emergency ventilator]. 2016 Jul;65(7):514-20. doi: 10.1007/s00101-016-0161-8.
14. Schmidt AR, **Haas T**, Buehler P, Ruetzler K, Weiss M, Schmitz A. Broselow®-Tape und Pädiatrisches Notfalllineal im Vergleich. *Notfall Rettungsmed*. 2016; 19: 129–135. doi.org/10.1007/s10049-015-0070-4
15. DeSimone RA, Nellis ME, Goel R, **Haas T**, Vasovic L, Cushing MM. Cryoprecipitate indications and patterns of use in the pediatric intensive care unit: inappropriate transfusions and lack of standardization. *Transfusion*. 2016 Aug;56(8):1960-4. doi: 10.1111/trf.13649.
16. Cushing MM, Asmis L, Calabria C, Rand JH, **Haas T**. Efficacy of solvent/detergent plasma after storage at 2-8 °C for 5 days in comparison to other plasma products to improve factor V levels in factor V deficient plasma. *Transfus Apher Sci*. 2016 Aug;55(1):114-9. doi: 10.1016/j.transci.2016.04.015.
17. Schmidt AR, Ruetzler K, **Haas T**, Schmitz A, Weiss M. Impact of oxygen sources on performance of the Ventrain" ventilation device in an in vitro set-up. *Acta Anaesthesiol Scand*. 2016 Nov;60(10):1477-1478. doi: 10.1111/aas.12786.
18. **Haas T**, Spielmann N, Restin T, Schmidt AR, Schmugge M, Cushing MM. Economic aspects of intraoperative coagulation management targeting higher fibrinogen concentrations during major craniocystostomy surgery. *Paediatr Anaesth*. 2016 Jan;26(1):77-83. doi: 10.1111/pan.12784.
19. **Haas T**, Spielmann N, Cushing M. Impact of incorrect filling of citrate blood sampling tubes on thromboelastometry. *Scand J Clin Lab Invest*. 2015;75(8):717-9. doi: 10.3109/00365513.2015.1091092.
20. Ruetzler K, Imach S, Weiss M, **Haas T**, Schmidt AR. Vergleich von fünf Videolaryngoskopen und direkter konventioneller Laryngoskopie. *Anaesthesist*. 2015 Jul;64(7):513-9. doi: 10.1007/s00101-015-0051-5.
21. **Haas T**, Spielmann N, Dillier C, Cushing M, Siegmund S, Krüger B. Comparison of conventional ROTEM® cups and pins to the ROTEM® cup and pin mini measuring cells (MiniCup). *Scand J Clin Lab Invest*. 2015 Oct;75(6):470-5. doi: 10.3109/00365513.2015.1042909.
22. **Haas T**, Spielmann N, Restin T, Seifert B, Henze G, Obwegeser J, Min K, Jeszenszky D, Weiss M, Schmugge M. Higher fibrinogen concentrations for reduction of transfusion requirements during major paediatric surgery: A prospective randomised controlled trial. *Br J Anaesth*. 2015 Aug;115(2):234-43. doi: 10.1093/bja/aev136.

23. Thoeni N, Piegeler T, Brueesch M, Sulser S, **Haas T**, Mueller SM, Seifert B, Spahn DR, Ruetzler K. Incidence of difficult airway situations during prehospital airway management by emergency physicians - A retrospective analysis of 692 consecutive patients. 2015 May;90:42-5. doi: 10.1016/j.resuscitation.2015.02.010.
24. Baumann C, Lamesic G, Weiss M, Cushing M, **Haas T**. Evaluation of the minimum volume of salvage blood required for the successful use of two different autotransfusion devices. *Paediatr Anaesth*. 2015 Mar;25(3):258-64. doi: 10.1111/pan.12535.
25. **Haas T**, Cushing MM, Asmis LM. Influence of Factor V Deficiency on ROTEM® Clotting Time. *Blood* 2014;124 (21):5039. doi.org/10.1182/blood.V124.21.5039.5039
26. Kemper M, **Haas T**, Imach S. Weiss M. Intubation with a tube exchanger on an intubation trainer. Influence of tube tip position on successful intubation. *Anaesthesist* 2014 Jul;63(7):563-7. doi: 10.1007/s00101-014-2342-7.
27. **Haas T**, Goobie S, Spielmann N, Weiss M, Schmugge M. Improvements in patient blood management for pediatric craniostomy surgery using a ROTEM®-assisted strategy – feasibility and costs. *Ped Anesth* 2014, 2014 Jul;24(7):774-80. doi: 10.1111/pan.12341.
28. Oswald E, Finsterwalder T, Innerhofer N, **Haas T**, Mittermayr M, Strohmaier S, Innerhofer P. Comparison of arterial versus venous parameters of Rotational thromboelastometry and multiple platelet function analyzer: Results of a pilot study. *Scan J Clin Lab Invest* 2013 Oct;73(7):538-45. doi: 10.3109/00365513.2013.818707.
29. Mauch J, Madjdpour C, Kutter AP, Spielmann N, Bettschart-Wolfensberger R, Weiss M, **Haas T**. Effect of rapid fluid resuscitation using crystalloids or colloids on hemostasis in piglets. *Paediatr Anaesth* 2013 Mar;23(3):258-64. doi: 10.1111/pan.12106.
30. **Haas T**, Spielmann N, Mauch J, Schmugge M, Weiss M. Correlation of activated clotting times and standard laboratory coagulation tests in paediatric non-cardiac surgery. *Scand J Clin Lab Invest*. 2013 Feb;73(1):29-33. doi: 10.3109/00365513.2012.732239.
31. Knauth A, Weiss M, Dave M, Frotzler A, **Haas T**. Comparison of antifog methods in endoscopy. What really helps. *Anaesthesist* 2012 Dec;61(12):1036-44. doi: 10.1007/s00101-012-2116-z.
32. **Haas T**, Spielmann N, Mauch J, Speer O, Schmugge M, Weiss M. Reproducibility of thromboelastometry (ROTEM®): Point-of-care versus hospital laboratory performance. *Scand J Clin Lab Invest* 2012 Jul;72(4):313-7. doi: 10.3109/00365513.2012.665474.
33. **Haas T**, Spielmann N, Mauch J, Madjdpour C, Speer O, Schmugge M, Weiss M. Comparison of thromboelastometry (ROTEM®) with standard plasmatic coagulation testing in paediatric surgery. *Br J Anaesth* 2012 Jan;108(1):36-41. doi: 10.1093/bja/aer342.

34. Spielmann N, Mauch J, Madjdpour C, Schmugge M, Weiss M, **Haas T**. Accuracy and precision of hemoglobin point-of-care testing during major pediatric surgery. *Int J Lab Hematol*. 2012 Feb;34(1):86-90. doi: 10.1111/j.1751-553X.2011.01363.x.
35. Mauch J, Spielmann N, Hartnack S, Madjdpour C, Kutter AP, Bettschart-Wolfensberger R, Weiss M, **Haas T**. Intrarater and interrater variability of point of care coagulation testing using the ROTEM delta. *Blood Coagul Fibrinolysis* 2011 Dec;22(8):662-6. doi: 10.1097/MBC.0b013e32834aa806.
36. Spielmann N, Mauch JY, Madjdpour C, Schmugge M, Albisetti M, Weiss M, **Haas T**. Comparison of point-of-care testing (POCT): i-STAT(®) international normalized ratio (INR) vs reference laboratory INR in pediatric patients undergoing major surgery. *Paediatr Anaesth*. 2011 Oct;21(10):1041-5. doi: 10.1111/j.1460-9592.2011.03600.x.
37. Oswald E, Stalzer B, Heitz E, Weiss M, Schmugge M, Strasak A, Innerhofer P, **Haas T**. Thromboelastometry (ROTEM) in children: age-related reference ranges and correlations with standard coagulation tests. *Br J Anaesth*. 2010 Dec;105(6):827-35. doi: 10.1093/bja/aeq258.
38. Velik-Salchner C, Streif W, Innerhofer P, Maier S, Knotzer H, Pajk W, Klingler A, Mittermayr M, **Haas T**. Endotoxemia-induced changes in coagulation as measured by rotation thrombelastometry technique and conventional laboratory tests: results of a pilot study on pigs. *Blood Coagul Fibrinolysis*. 2009 Jan;20(1):41-6. doi: 10.1097/MBC.0b013e32831be9ad.
39. Maier S, Holz-Hözl C, Pajk W, Ulmer H, Hengl C, Dünser M, **Haas T**, Velik-Salchner C, Fries D, Greiner A, Hasibeder W, Knotzer H. Microcirculatory parameters after isotonic and hypertonic colloidal fluid resuscitation in acute hemorrhagic shock. *J Trauma*. 2009 Feb;66(2):337-45. doi: 10.1097/TA.0b013e31817dac66.
40. **Haas T**, Fries D, Velik-Salchner C, Reif C, Klingler A, Innerhofer P. In vitro effects of fibrinogen concentrate, factor XIII and fresh frozen plasma on impaired clot formation following 60% dilution. *Anesth Analg*. 2008 May;106(5):1360-5, table of contents. doi: 10.1213/01.ane.0b013e3181684339.
41. **Haas T**, Fries D, Holz C, Innerhofer P, Streif W, Klingler A, Hanke A, Velik-Salchner C. Less impairment of hemostasis and reduced blood loss in pigs after resuscitation from hemorrhagic shock using the small-volume concept with hypertonic saline / hydroxyethyl starch as compared to administration of 4% gelatin or 6% hydroxyethyl starch solution. *Anesth Analg*. 2008 Apr;106(4):1078-86, doi: 10.1213/ane.0b013e318165df18.
42. **Haas T**, Innerhofer P, Klingler A, Wagner-Berger H, Velik-Salchner C, Streif W, Fries D. Re-transfusion of salvaged washed red cells improves clot formation in pigs as measured by rotational thrombelastometry (ROTEM). *Eur J Anaesthesiol*. 2008 Jun;25(6):473-8. doi: 10.1017/S0265021508003736.
43. **Haas T**, Preinreich A, Oswald E, Pajk W, Berger J, Kuehbacher G, Innerhofer P. Effects of albumin 5% and artificial colloids on clot formation in small infants. *Anaesthesia* 2007 Oct;62(10):1000-7. doi: 10.1111/j.1365-2044.2007.05186.x.

44. Velik-Salchner C, **Haas T**, Innerhofer P, Streif W, Nussbaumer W, Klingler A, Klima G, Martinowitz U, Fries D. The effect of fibrinogen concentrate on thrombocytopenia. *J Thromb Haemost* 2007 May;5(5):1019-25. doi: 10.1111/j.1538-7836.2007.02481.x.
45. Fries D, **Haas T**, Velik-Salchner C, Klingler A, Streif W, Klima G, Martini J, Wagner-Berger H and Innerhofer P. Efficacy of fibrinogen and prothrombin complex concentrate used to reverse dilutional coagulopathy, a porcine model. *Br J Anaesth*; 2006 Oct;97(4):460-7. doi: 10.1093/bja/ael191.
46. Grömer G, Brimacombe J, **Haas T**, de Negueruela C, Soucek A, Thomsen M, Keller C. The feasibility of laryngoscope-guided tracheal intubation in microgravity during parabolic flight: a comparison of two techniques. *Anesth Analg*. 2005 Nov;101(5):1533-1535. doi: 10.1213/01.ANE.0000181001.25777.53.
47. Fries D, Krismer A, Klingler A, Streif W, Klima G, Wenzel V, **Haas T**, Innerhofer P. Effect of fibrinogen on reversal of dilutional coagulopathy: a porcine model. *Br J Anaesth*. 2005 Aug;95(2):172-7. doi: 10.1093/bja/aei160.
48. **Haas T**, Voelckel WG, Wiedermann F, Wenzel V, Lindner KH. Successful resuscitation of a traumatic cardiac arrest victim in hemorrhagic shock with vasopressin: a case report and brief review of the literature. *J Trauma* 2004 Jul;57(1):177-9. doi: 10.1097/01.ta.0000044357.25191.1b.
49. Kentner R, **Haas T**, Gervais H, Hiller B, Dick W. Pharmacokinetics and pharmacodynamics of hydroxyethyl starch in hypovolemic pigs: a comparison of peripheral and intraosseous infusion. *Resuscitation* 1999 Jan;40(1):37-44. doi: 10.1016/s0300-9572(98)00121-x.

2. Reviews and Editorials:

1. **Haas T**, Cushing MM. Hemostatic Balance in Severe Trauma. *Front Pediatr*. 2020 Nov 11;8:600501. doi: 10.3389/fped.2020.600501.
2. **Haas T**, Faraoni D. Viscoelastic testing in pediatric patients. *Transfusion*. 2020 Oct;60 Suppl 6:S75-S85. doi: 10.1111/trf.16076.
3. Cohen T, **Haas T**, Cushing MM. The strengths and weaknesses of viscoelastic testing compared to traditional coagulation testing. *Transfusion*. 2020 Oct;60 Suppl 6:S21-S28. doi: 10.1111/trf.16073.
4. Dillard A, DeSimone RA, Hsu YM, Ma L, Vasovic L, Racine-Brzostek S, Ivascu N, **Haas T**, Cushing MM. Flat line in the blood bank: code H (hyperfibrinolysis)? *Transfusion*. 2020 Sep;60(9):1894-1896. doi: 10.1111/trf.15923.
5. Cushing MM, **Haas T**, Karkouti K, Callum J. Which is the preferred blood product for fibrinogen replacement in the bleeding patient with acquired hypofibrinogenemia - cryoprecipitate or fibrinogen concentrate? *Transfusion*. 2020 Jun;60 Suppl 3:S17-S23. doi: 10.1111/trf.15614.
6. Grottke O, Callum J, Cushing MM, **Haas T**. The use of coagulation factor concentrates for perioperative bleeding management - a global perspective. *Transfusion*. 2020 Apr;60(4):663-666. doi: 10.1111/trf.15749.

7. Grottke O, Mallaiah S, Karkouti K, Saner F, **Haas T**. Fibrinogen Supplementation and Its Indications. *Semin Thromb Hemost*. 2020 Feb;46(1):38-49. doi: 10.1055/s-0039-1696946.
8. Fenger-Eriksen C, **Haas T**, Fries D. Coagulation disturbances during major perioperative or traumatic bleeding. *Trends Anesth Crit Care* 2019. 28; 6-13. doi.org/10.1016/j.tacc.2019.07.002
9. Cushing MM, **Haas T**. Fibrinogen concentrate for perioperative bleeding: what can we learn from the clinical trials? *Transfusion*. 2019. doi: 10.1111/trf.15437.
10. Schmidt AR, Ruetzler K, **Haas T**, A. Schmitz A, Weiss M. [Abschätzung der Beatmung impraktikabel.] *Anästhesist*. 2017 Mar;66(3):209-210. doi: 10.1007/s00101-017-0274-8.
11. Hsu YM, **Haas T**, Cushing MM. Massive transfusion protocols: current best practice. *Int J Clin Transfus Med*. 2016;4:15-27. doi.org/10.2147/IJCTM.S61916
12. Goobie SM, **Haas T**. Perioperative bleeding management in pediatric patients. *Curr Opin Anaesthesiol*. 2016 Jun;29(3):352-8. doi: 10.1097/ACO.0000000000000308.
13. **Haas T**, Fries D, Tanaka KA, Asmis L, Curry NS, Schöchl H. Usefulness of standard plasma coagulation tests in the management of perioperative coagulopathic bleeding: is there any evidence? *Br J Anaesth* 2015 Feb;114(2):217-24. doi: 10.1093/bja/aeu303.
14. **Haas T**, Weiss M, Staubli G, Schmutge M. Preclinical haemostatic emergencies in children. *Notfall Rettungsmed* 2015;18:42-48. doi.org/10.1007/s10049-014-1949-1
15. Goobie SM, **Haas T**. Bleeding management for pediatric craniotomies and craniofacial surgery. *Paediatr Anaesth*. 2014 Jul;24(7):678-89. doi: 10.1111/pan.12416.
16. **Haas T**, Görlinger K, Grassetto A, Agostini V, Simioni P, Nardi G, Ranucci M. Thromboelastometry for Guiding Bleeding Management of the Critically Ill Patient: A Systematic Review of the Literature. *Minerva Anesthesiol*. 2014 Dec;80(12):1320-35.
17. **Haas T**, Mauch J, Weiss M, Schmutge M. Management of Dilutional Coagulopathy during Pediatric Major Surgery. *Transfus Med Hemother* 2012 Apr;39(2):114-119. doi: 10.1159/000337245.
18. Schroeter E, Schmitz A, **Haas T**, Weiss M, Gerber AC. „Low-dose“-Droperidol-Gabe bei Kindern. *Anaesthesist* 2012 Jan;61(1):30-4. doi: 10.1007/s00101-011-1962-4.
19. Mauch, J, **Haas T**, Weiss M. Distance from the laryngeal mask grip to endotracheal tube tip. A crucial point during fiberoptic intubation in children. *Anaesthesist*. 2012 Feb;61(2):123-8. doi: 10.1007/s00101-012-1983-7.
20. **Haas T**, Korte W, Spielmann N, Mauch J, Madjdpour C, Schmutge M, Weiss M. Perioperative course of FXIII in children undergoing major surgery. *Paediatr Anaesth*. 2012 Jul;22(7):641-6. doi: 10.1111/j.1460-9592.2011.03709.x.
21. **Haas T**. Point of care diagnostic: thromboelastometry (ROTEM®). *Wien Klin Wochenschr* 2010 Dec;122 Suppl 5:S19-20.

22. **Haas T**, Fries D, Velik-Salchner C, Oswald E, Innerhofer P. Fibrinogen in craniostomosis surgery. *Anesth Analg*. 2008 Mar;106(3):725-31. doi: 10.1213/ane.0b013e318163fb26.
23. Mittermayr M, Streif W, **Haas T**, Fries D, Velik-Salchner C, Klingler A, Oswald E, Bach C, Schnapka-Koepf M, Innerhofer P. Hemostatic changes after crystalloid or colloid fluid administration during major orthopedic surgery: the role of fibrinogen administration. *Anesth Analg*. 2007 Oct;105(4):905-17. doi: 10.1213/01.ane.0000280481.18570.27.
24. Westermann I, Dünser MW, **Haas T**, Jochberger S, Luckner G, Mayr VD, Wenzel V, Stadlbauer KH, Innerhofer P, Morgenthaler N, Hasibeder WR, Voelckel WG. Endogenous vasopressin and copeptin response in multiple trauma patients. *Shock* 2007 Dec;28(6):644-649. doi: 10.1097/shk.0b013e3180cab33f.
25. Deckert D, Zecha-Stallinger A, **Haas T**, von Goedecke A, Lederer W, Wenzel V. [Anästhesie außerhalb des Zentral-OP]. *Anaesthesist* 2007 Oct;56(10):1028-30, 1032-7. doi: 10.1007/s00101-007-1216-7.
26. Fries D, **Haas T**, Velik-Salchner C, Lindner K, Innerhofer P. Management of coagulation after multiple trauma. *Anästhesist* 2005 Feb;54(2):137-44. doi: 10.1007/s00101-004-0760-7.
27. **Haas T**, Innerhofer P, Kuhbacher G, Fries D. Successful reversal of deleterious coagulopathy by recombinant factor VIIa. *Anesth Analg*. 2005 Jan;100(1):54-58. doi: 10.1213/01.ANE.0000138064.12583.F6.
28. Krismer AC, Wenzel V, Voelckel WG, Innerhofer P, Stadlbauer KH, **Haas T**, Pavlic M, Sparr HJ, Lindner KH, Koenigsrainer. Employing vasopressin as an adjunct vasopressor in uncontrolled traumatic hemorrhagic shock Three cases and a brief analysis of the literature. *Anaesthesist* 2005 Mar;54(3):220-4. doi: 10.1007/s00101-004-0793-y.
29. Fries D, Streif W, **Haas T**, Kühbacher G. Dilutional Coagulopathy – an underestimated problem? *Transfusion Medicine and Hemotherapy* 2004; 31: 237-243. doi.org/10.1159/000080408
30. Fries D, Streif W, **Haas T**, Kühbacher G. Dilutionskoagulopathie – ein unterschätztes Problem? *AINS* 2004 Dec;39(12):745-50. doi: 10.1055/s-2004-825912.
31. **Haas T**, Voelckel WG, Wiedermann F, Wenzel V, Lindner KH. Revisiting the cardiac versus thoracic pump mechanism during cardiopulmonary resuscitation. *Resuscitation* 2003 Jul;58(1):113-6. doi: 10.1016/s0300-9572(03)00112-6.

3. Books:

Haas T, Oswald E (2010). *Paediatric Anaesthesia* [Kinderanästhesie]. Wissenschaftliche Verlagsgesellschaft Stuttgart. ISBN 978-3-8047-2840-0

4. Chapters:

Sibylle Kietzbl (Editor). Fibrinogen replacement therapy in acquired perioperative bleeding. Chapter 6: Fibrinogen and other concentrates in paediatric patients (**Haas T**, Goobie S). UNI-MED Science, 1st edition 2018, 104 pp, Hardcover, ISBN 978-3-8374-2392-1

Eckart J, Jaeger K, Mölhoff T (Editors). 2018. Anästhesiologie. 58. Ergänzungslieferung, Juli 2018
Chapter 9.15: [Kinderanästhesie: Gerinnungsanamnese auffällig: Und dann?] (**Haas T**). ISBN 978-3-609-71361-8

Gombotz H, Zacharowski K, Pahn, DR (Editors) 2018. Patient Blood Management. Thieme 2. Edition
Chapter 7.3: PBM in der Kinderchirurgie (**Haas T**). ISBN 978-3-13-241077-0

Tschulik H (Editor) 2016. Gerinnung im klinischen Alltag. Interdisziplinäre Arbeitsgruppe Steiermark
Chapter 9: Perioperatives Gerinnungsmanagement beim Kind (**Haas T**, Ziegler B). ISBN 978-3-200-04665-9

Marcucci CE, Schoettker P. (Editors) 2014. Perioperative Hemostasis: Coagulation for Anesthesiologists
Springer. Part II: Perioperative hemostasis in pediatric surgery (**Haas T**). ISBN: 978-3642550034

5. Guidelines:

1. Kozek-Langenecker SA, Ahmed AB, Afshari A, Albaladejo P, Aldecoa C, Barauskas G, De Robertis E, Faraoni D, Filipescu DC, Fries D, **Haas T**, Jacob M, Lancé MD, Pitarch JVL, Mallett S, Meier J, Molnar ZL, Rahe-Meyer N, Samama CM, Stensballe J, Van der Linden PJF, Wikkelsø AJ, Wouters P, Wyffels P, Zacharowski K. Management of severe perioperative bleeding: guidelines from the European Society of Anaesthesiology: First update 2016. Eur J Anaesthesiol. 2017 Jun;34(6):332-395. doi: 10.1097/EJA.0000000000000630.
2. Kozek-Langenecker S, Afshari A, Albaladejo P, Aldecoa Alvarez Santullano C, De Robertis E, Filipescu D, Fries D, Görlinger K, **Haas T**, Imberger G, Jacob M, Lance M, Llaur J, Mallett S, Meier J, ^[1]_[SEP] Rahe-Meyer N, Samama CM, Smith A, Solomon C, Van der Linden P, Juul Wikkelsø A, Wouters P, Wyffels P. Management of severe perioperative bleeding. Guidelines from the European Society of Anaesthesiology. Eur J Anaesthesiol 2013 Jun;30(6):270-382. doi: 10.1097/EJA.0b013e32835f4d5b.