

# Publikationen 2011

**Anästhesieabteilung  
Universitäts-Kinderkliniken Zürich**

## A) Originalarbeiten

---

- 1 **Dave M.H, Frotzler A, Koepfer N, Madjdpour C, Weiss M.**  
Massive aspiration past the tracheal tube cuff caused by closed tracheal suction system.  
J Intensive Care Med. 2011;26:326-29
- 2 **Sommer A, Weiss M, Kunz F, Deanovic D, Neuhaus D.**  
Einsatz der intraossären Infusion im pädiatrischen Notarztdienst Analyse von Notarzteinsätzen  
1990-2009.  
Anästhesist. 2011;60:125-31
- 3 **Mauch J, Kutter APN, Martin Jurado O, Madjdpour C, Spielmann N, Frotzler A, Bettschart-Wolfensberger R, Weiss M.**  
Impact of propofol on electrocardiographic alterations during intravascular application of  
bupivacaine – a study in piglets.  
Paediatr Anaesth. 2011;21:136-40
- 4 **Dave MH, Frotzler A, Weiss M.**  
Closed tracheal suction and fluid aspiration past the tracheal tube - Impact of tube cuff and  
airway pressure.  
Minerva Anesthesiol. 2011;77:166-71
- 5 **Ulmer FF, Baulig W, Bettex D, Spielmann N, Bürki Ch, Weiss M.**  
Measurement of activated clotting time in children - Evaluation of the blood-saving kaolin i-STAT  
ACT technique in pediatric cardiac anesthesia.  
J Cardiothorac Vasc Anesth. 2011;25:395-401
- 6 **Schmitz A, Kellenberger CJ, Neuhaus D, Heitz E, Deanovic D, Prüfer F, Studhalter M, Völlmer L, Weiss M.**  
Fasting times and gastric contents volume in children undergoing deep propofol sedation -  
an assessment using magnetic resonance imaging.  
Paediatr Anaesth. 2011; 21:685-90
- 7 Engelhardt T, Wilson G, Horne L, **Weiss M, Schmitz A.**  
Fasting times in elective outpatient pediatric patients.  
Paediatr Anaesth. 2011; 21:964-8
- 8 **Spielmann N, Mauch JY, Madjdpour C, Schmutz M, Albisetti M, Weiss M, Haas Th.**  
Comparison of point-of-care testing (POCT): i-STAT® International Normalized Ratio (INR)  
versus reference laboratory INR in pediatric patients undergoing major surgery.  
Paediatr Anaesth. 2011;21:1041-5
- 9 **Mauch J, Kutter APN, Martin Jurado O, Spielmann N, Frotzler A, Bettschart-Wolfensberger R, Weiss M.**  
A medium chain triglyceride lipid emulsion containing propofol does not protect against cardio-  
vascular bupivacaine toxicity caused by accidental intravascular injection in piglets.  
Anaesthesist 2011;60:814-8
- 10 **Schmitz A, Kellenberger CJ, Liamlahi R, Studhalter M, Weiss M.**  
Gastric emptying after overnight fasting and clear fluid intake – a prospective investigation using  
serial magnetic resonance imaging in healthy children.  
Br J Anaesth 2011;107:425-9
- 11 **Mauch J, Martin Jurado M, Spielmann N, Bettschart-Wolfensberger R, Weiss M.**  
Comparison of epinephrine versus lipid rescue to treat severe local anesthetic toxicity – An  
experimental study in piglets.  
Paediatr Anaesth 2011;21:1103-8
- 12 **Spielmann N, Mauch J, Madjdpour C, Schmutz M, Weiss M, Haas Th.**  
Accuracy and precision of hemoglobin point-of-care testing during major pediatric surgery.  
Int J of Lab Hematol 2011; in press
- 13 **Haas Th, Korte W, Spielmann N, Mauch J, Madjdpour C, Schmutz M, Weiss M.**  
Perioperative course of FXIII in children undergoing major surgery.  
Paediatr Anaesth 2011; accepted

- 14 **Mauch J**, Madjdpour C, **Spielmann N**, **Weiss M**, **Haas Th**.  
Intrarater and interrater variability of point of care coagulation testing using the ROTEM® delta.  
Blood Coagul Fibrinolysis 2011; in press
- 15 **Mauch J**, Kutter APN, Martin Jurado O, **Spielmann N**, **Dave MH**, Bettschart-Wolfensberger R, **Weiss M**.  
Influence of bupivacaine injection dose rate on cardiovascular depression, subsequent hemodynamic course and related bupivacaine plasma levels in piglets.  
J Anaesth 2011;25:710-5.
- 16 **Mauch J**, Martin Jurado O, **Spielmann N**, Bettschart-Wolfensberger R, **Weiss M**.  
Resuscitation strategies from bupivacaine induced cardiac arrest.  
Paediatr Anaesth 2011; accepted
- 17 **Haas Th**, **Spielmann N**, **Mauch J**, Madjdpour C, Speer O, Schmutz M, **Weiss M**.  
Comparison of thrombelastometry (ROTEM®) with standard plasmatic coagulation testing in paediatric surgery.  
Br J Anaesth 2011; accepted
- 18 Madjdpour C, **Mauch JY**, **Spielmann N**, **Dave MH**, **Weiss M**.  
Comparison of air-sealing characteristics of tapered versus cylindrical-shaped high-volume, low-pressure tube cuffs.  
Acta Anaesthesiol Scand 2011; accepted
- 19 **Schmitz A**, Schraner T, **Frühauf M**, Liamlahi R, Klaghofer R, **Weiss M**, Kellenberger CJ.  
Ultrasonographic gastric antral area and gastric contents volume in children.  
Paediatr Anaesth 2011; accepted
- 20 **Mauch JY**, **Spielmann N**, Hartnack S, **Weiss M**.  
Electrocardiographic and haemodynamic alterations caused by three different test solutions of local anaesthetics to detect accidental intravascular injection in children.  
Br J Anaesth 2011; accepted
- 21 Kutter A, **Mauch JY**, Riond B, Martin-Jurado O, **Spielmann N**, **Weiss M**, Bettschart-Wolfensberger R.  
Evaluation of two devices for point-of-care testing of haemoglobin in neonatal pigs.  
Lab Anim 2011, accepted
- 22 **Schmitz A**, Kellenberger C, Liamlahi R, **Frühauf M**, Klaghofer R, **Weiss M**.  
Residual gastric contents volume does not differ following 4 or 6 hours fasting after a light breakfast – an MRI investigation in healthy non-anaesthetised school-age children.  
Acta Anaesthesiol Scand 2011; accepted
- 23 Brotschi B, Hug MI, Latal B, **Neuhaus D**, **Buerki C**, Kroiss S, Spoerri C, Albisetti M.  
Incidence and predictors of indwelling arterial catheter-related thrombosis in children.  
J Thromb Haemost. 2011;9:1157-62
- 24 Brotschi B, Grass B, **Weiss M**, Doell C, Bernet V.  
In-line filter included into the syringe infusion pump assembly reduces flow irregularities caused by intrinsic compliance.  
J Intensive Care Med. 2011; accepted

## B) Reviews

---

- 1 Eich C, **Weiss M**, **Neuhaus D**, Philippi-Höhne C, Landsleitner B, Becke K, Strauss J.  
Handlungsempfehlung zur intraossären Infusion in der Kinderanästhesie.  
Anaesth Intensivmed. 2011;52:46-52
- 2 **Weiss M**, Schmidt J, Eich C, Stelzner J, Trieschmann U, Müller-Lobeck L, Philippi-Höhne C,  
Becke K, Jöhr M, Strauss J.  
Handlungsempfehlung zur Prävention und Behandlung des unerwartet schwierigen Atemwegs  
in der Kinderanästhesie.  
Anaesth Intensivmed. 2011;52:54-63
- 3 **Neuhaus D**.  
Intraossärer Zugang.  
Notfall- und Rettungsmedizin 2011;14:543–548
- 4 Hoffmann F, **Deanovic D**.  
Präklinische Schmerztherapie.  
Notfall- und Rettungsmedizin 2011;14:549–553
- 5 Landsleitner B, Eich C, **Weiss M**, Nicolai T.  
Präklinisches Atemwegsmanagement bei Kindern  
Notfall- und Rettungsmedizin 2011;14:526–534
- 6 Nicolai T, **Weiss M**.  
Kindernotfälle: aktuelle Handlungsanleitung  
Notfall- und Rettungsmedizin 2011;14:525

**C) Letters**

- 1 Engelhardt T, Blaylock M, **Weiss M.**  
Sublethal spinal ketamine produces neuronal apoptosis in rat pups.  
Anesthesiology. 2011;114:718-9