

## Publications SERVICE D'ANESTHESIOLOGIE 2017

### ORIGINAL ARTICLES (peer reviewed)

**G. Haller, I. Pichon, F.-O Gay, G.Savoldelli.**

Risk Factors for peripheral nerve injuries following neuraxial labour analgesia: a nested case-control study.

*Acta Anaesthesiologica Scandinavica*, 2017, 61, 1203-1214.

PMID: 28766691

**B.Bollen. Pinto,** A. Dyson, M. Umbrello, J.E. Carré, C Ritter, I.Clatworthy, M.R. Duchon, M Singer.

Improved survival in a long-term rat model of sepsis is associated with reduced mitochondrial calcium uptake despite increased energetic demand

*Critical care Medicine*, 2017, august, vol 45, num 8

PMID: 28410346

H. Flatten, D.W. De Lange, A.Morandi, F.H. Andersen, A. Artigas, G.B Bertolini, A. Boumendil, M. Cecconi, S. Christensen, L. Faraldi, J. Fjolner, C. Jung, B. Marsh, R. Moreno, S. Oeyen, C. Agwald Ohman, **B.Bollen Pinto**, I.W. Soliman, W. Szczeklik, A. Valentin, X. Watson, T. Zaferidis, B. Guidet.

The impact of frailty on ICU and 30-day mortality and the level of care in very elderly patients ( $\geq 80$  years).

*Intensive Care Med*, 2017, 43;1820-1828.

PMID: 28936626

**K. Kesmarky, .C. Delhumeau, M. Zenobi, B. Walder**

Comparison of two predictive models for short-term mortality in patients after severe traumatic brain injury.

*Journal of neurotrauma* 2017, july 15, 34;2235-2242.

PMID: 28323524

M. Puskarjov, H. Fiumelli, A. Briner, T. Bodogan, K. Demeter, C-M. Laco, M. Mavrovic, P. Blaesse, K. Kaila, **L. Vuskits.**

K-Cl Cotransporter 2-mediated Cl<sup>-</sup> extrusion determines developmental stage-dependent impact of propofol anesthesia on dendritic spines.

*Anesthesiology* 2017 may, 126;855-67.

PMID: 28301408

M. Osthoff, **B. Walder**, **C. Delhumeau**, M. Trendelenburg, N. Turck

Association of lectin pathway protein levels and genetic variants early after injury with outcomes after severe traumatic brain injury: a prospective cohort study

*Journal of neurotrauma*, 2017, September, 34;2560-2566

PMID: 28482760

**S. Crespo**, G. Dangelser, **G. Haller**

Intrathecal clonidine as an adjuvant for neuraxial anaesthesia during caesarean delivery: a systematic review and meta-analysis of randomised trials.

*International Journal of Obstetric Anesthesia* 2017, 32;64-76

PMID: 28823524

**C. Ellenberger**, T. Sologashvili, K. Bhaskaran, **M. Licker**

Impact of intrathecal morphine analgesia on the incidence of pulmonary complications after cardiac surgery: a single center propensity-matched cohort study

*BMC Anesthesiology* 2017; 17:109

PMID: 28830362

**C. Ellenberger**, T. Sologashvili, M. Cikirikcioglu, G. Verdon, **J. Diaper**, T. Cassina, **M. Licker**

Risk factors of postcardiotomy ventricular dysfunction in moderate-to-high risk patients undergoing open-heart surgery

*Annals of Cardiac Anaesthesia* 2017;20:287-96

PMID: 28701592

S. Osorio Lujan, **W. Habre**, Y. Daali, Z. Pan, P.W. Kronen

Plasma concentrations of transdermal fentanyl and buprenorphine in pigs (*sus scrofa domesticus*)

*Veterinary Anaesthesia and Analgesia* 2017; 44, 665-675

PMID: 28526486

C. Marcu, **E. Schiffer**, J.-D. Aubert, J. Vionnet, P. Yerly, P. Deltenre, A. Marot

Syndrome hépato-pulmonaire et hypertension porto-pulmonaire

*Revue Médicale Suisse* 2017 ; 13 : 1464-9

PMID : 28853802

K.S. Blondon, K. C. Gary Chan, V. Muller-Jige, S. Cullati, P. Hudelson, F. Maître, N.V. Vu, **G. Savoldelli**, M. Nendaz

A concordance-based study to assess doctors' and nurses' mental models in internal medicine

*PLOS ONE* 2017; August 8

PMID: 28792524

**M. Licker**, W. Karenovics, J. Diaper, I. Frésard, F. Triponez, **C. Ellenberger**, **R. Schorer**, B. Kayser, P.-O. Bridevaux

Short-term preoperative high-intensity interval training in patients awaiting lung cancer surgery: a randomized controlled trial

*Journal of Thoracic Oncology* 2017; vol 12, n° 2: 323-333

PMID: 27771425

N. Bochatay, V. Muller-Juge, F. Scherer, G. Cottin, S. Cullati, K. Blondon, P. Hudelson, F. Maître, N. V. Vu, **G. Savoldelli**, M. Nendaz

Are role perceptions of residents and nurses translated into action?

*BMC Medical Education* 2017; 17 : 138

PMID: 28821252

A.-P. Meert, B. Grigoriu, **M. Licker**, P.E. Van Schil, T. Berghmans

Intensive care in thoracic oncology

*Eur Respir J* 2017; 49

PMID: 28495690

N. Perrin, M. Roffi, A. Frei, A-L. Hachulla, **C. Ellenberger**, H. Müller, M. Cikirikcioglu, **M. Licker**, S. Noble

Thirty-day outcome following CoreValve Evolut R transcatheter aortic valve implantation: An all-comers prospective study

*Rev Esp Cardiol* 2017; 70(9): 713-719

PMID: 28034684

W. Karenovics, **M. Licker**, **C. Ellenberger**, M. Christodoulou, **J. Diaper**, C. Bhatia, J. Robert, P-O. Bridevaux, F. Triponez

Short-term preoperative exercise therapy does not improve long-term outcome after lung cancer surgery: A randomized controlled study

*European Journal of Cardio-Thoracic Surgery* 2017; 52: 47-54

PMID: 28419206

U. Lopez, M. Meyer, **V. Loures, I. Iselin-Chaves**, M. Epiney, C. Kern, **G. Haller**

Post-traumatic stress disorder in parturients delivering by caesarean section and the implication of anaesthesia: A prospective cohort study

*Health and quality of life outcome* 2017; 15: 118

PMID: 285777570

A. Cambiaghi, **B. Bollen Pinto**, L. Brunelli, F. Falcetta, F. Aletti, K. Bendjelid, R. Patorelli, M. Ferrario

Characterization of a metabolomic profile associated with responsiveness to therapy in the acute phase of septic shock

*Scientific Reports* 2017; 7: 9748

PMID: 28851987

**W. Habre**, N. Disma, K. Virag, K. Becke, T. G. Hansen, M. Jöhr, B. Leva, N.s: Morton, P.M. Vermeulen, M. Zielinska, K. Boda, F. Veyckemans (APRICOT)

Incidence of severe critical events in paediatric anaesthesia (APRICOT): A prospective multicentre observational study in 261 hospitals in Europe

*Lancet Respir Med* 2017; 5: 412-425

PMID: 28363725

A. Jakuscheit, J. Weth, G. Lichtner, C. Jurt, **B. Rehberg**, F. von Dincklage

Intraoperative monitoring of analgesia using nociceptive reflexes correlates with delayed extubation and immediate postoperative pain

*Eur J Anaesthesiol* 2017; 34: 1-9

PMID: 28141703

D. P. Franzen, **B. Walder**, C. Caduff, J. Hetzel

Conscious sedation during bronchoscopy: How far we've come

*Curr Pulmonol Rep* 2017; 6: 234-239

PMID: ?

**B. Rehberg, S. Mathivon**, C. Combescure, Y. Mercier, **G. Savoldelli**

Prediction of acute postoperative pain following breast cancer surgery using the pain sensitivity questionnaire: A cohort study

*Clin J Pain* 2017; January, vol 33, n° 1, 57-66

PMID: 27922844

L. Porra, L. Broche, L. Dégrugilliers, **G. Albu**, I. Malaspinas, C. Doras, M. Wallin, M. Hallbäck, **W. Habre, S. Bayat**  
Synchrotron imaging shows effect of ventilator settings on intrabreath cyclic changes in pulmonary blood volume  
*Am J Respir Cell Mol Bio* 2017; vol 57, iss 4, 459-467  
PMID: 28535074

**C. Czarnetzki, B. Rehberg, B. Walder**  
Moderne Anästhesie  
*Therapeutische Umschau* 2017, 74(7), 339-343  
PMID: 29268648

C. S. Haller, **C. Delhumeau, M. de Pretto**, R. Schumacher, L. Pielmaier, M. My Lien Rebetz, **G. Haller, B. Walder**  
Trajectory of disability and quality-of-life in non-geriatric and geriatric survivors after severe traumatic brain injury  
*Brain Injury* 2017, vol 31, n° 3 319-328  
PMID: 28112980

**B. Bollen Pinto**, G. Atlas, B. Geerts, K. Bendjelid  
The use of the oesophageal Doppler in perioperative medicine: new opportunities in research and clinical practice.  
*J Clin Monit Comput* 2017; 31: 895-902  
PMID: 27568347

A. Dyson, F. Dal-Pizzol, G. Sabbatini, A. Lach, F. Galfo, J. Dos Santos Cardoso, B. Pescador Mendonça, I. Hargreaves, **B. Bollen Pinto**, D. Bromage, J. F. Martin, K. P. Moore, M. Feelisch, M. Singer  
Ammonium tetrathiomolybdate following ischemia/reperfusion injury: Chemistry, pharmacology, and impact of a new class of sulphide donor in preclinical injury models  
*PLOS Medicine* 2017; july 5,  
PMID: 28678794

B. C. Kahan, D. Koulenti, K. Arvaniti, ...**B. Bollen Pinto, B. Walder**,... the international Surgical Outcomes Study (ISOS)  
Critical care admission following elective surgery was not associated with survival benefit: prospective analysis of data from 27 countries (ISOS)  
*Intensive Care Med* 2017; 43: 971-979  
PMID: 28439646

**C. Ellenberger, N. Garofano, G. Barcelos, J. Diaper, G. Pavlovic, M. Licker**

Assessment of Haemostasis in patients undergoing emergent neurosurgery by rotational elastometry and standard coagulation tests

*BMC Anesthesiology*, 2017; 17:146

PMID: 29065860

S.Guigard, F. Triponez, B. Bédard, J. Vidal-Fortuny, **M. Licker**, W. Karenovics

Usefulness of near-infrared angiography for identifying the intersegmental plane and vascular supply during video-assisted thoracoscopic segmentectomy

*Interactiev CardioVascular and Thoracic Surgery*, 2017; 25, 702-709

PMID: 29049609

N. Bochatay, N.M. Bajwa, S. Cullati,...,**G.Savoldelli**, M. Nendaz

A multilevel analysis of professional conflicts in health care teams: Insight for future training

*Academic Medicine*, 2017, vol 92, n° 11, S84-92

PMID:29065028

L. Durand-Bailloud, L. Aho, **G.Savoldelli**, F. Ecarnot, C. Girard, M. Benkhadra

Non-dominant hand quicker to insert peripheral venous catheters under echographic guidance: A randomised trial

*Anaesth Crit Care Pain Med*, 2017, 36, 291-296

PMID: 27876559

**E. Cools**, J. Ausserer, M. Van de Velde, P. Hamm, S. Neururer, P. Paal

Anaesthesiology research in the European Union and the European Free Trade Association: An overview from 2001 to 2015

*EJA*, 2017; 34: 814-823

PMID: 29095727

## REVIEW ARTICLES

D. Spoerl, H. Nigolian, **C. Czarnetzki**, T. Harr

Reclassifying anaphylaxis to neuromuscular blocking agents based on the presumed patho-mechanism: IgE-mediated, pharmacological adverse reaction or "Innate Hypersensitivity"

*International Journal of Molecular Sciences* 2017; 18, 1223

PMID: 28590439

**L. Vutskits**, A. Davidson

Update on developmental anesthesia neurotoxicity

*Curr Opin Anesthesiol* 2017; 30: 337-342

PMID: 28277380

## CORRESPONDENCES, LETTERS

**B. Bollen Pinto**, M. Rached, **B. Walder**

Reply to: risk prediction instruments in geriatric surgery are available but often ignored

*Eur J Anaesthesiol* 2017; 34:628-636

PMID: 28763324

## EDITORIALS

**L. Vutskits**, J. Skowno

Perioperative hypotension in infants: insights from the GAS study

*Anesthesia-analgesia*, 2017 september, vol 125, 3, 719

PMID: 28817524

**L. Vutskits**

The new FDA drug safety communication on the use of general anesthetics in young children: what should we make of it?

*Pediatric Anesthesia* 2017, 27:336-338

PMID: 28300353

**M. S. Chew**, **B. Walder**

Improving perioperative outcome: time to update protocols

*Eur J Anaesthesiol* 2017; 34:185-188

PMID: 28248703

**G. Haller**

Indirect admission to intensive care after surgery: What should be considered?

*British Journal of Anaesthesia* 2017; 118 (2): 153-4

PMID: 28100517

D.Efron, **L. Vutskits**, A. J. Davidson

Can we really suggest that anesthesia might cause attention-deficit/hyperactivity disorder?

*Anesthesiology* 2017, vol 127, n° 2, 209

PMID: 28609303

**M. Licker**

Outcome of geriatric patients admitted to intensive care unit after surgery: the burden of chronic diseases

*Minerva Anesthesiologica* 2017 83(12), 1236-8

PMID: 28984103

## INVITED COMMENTARY

**G. Haller, B. Walder**

Postoperative pulmonary complications - Still room for improvement

*Eur J Anaesthesiol* 2017; 34: 489-491

PMID 28682814

## GUIDELINES

P.Albaladejo, **F. Bonhomme**, N. Blais...

Management of direct oral anticoagulants in patients undergoing elective surgeries and invasive procedures - updated guidelines

*Anaesth Crit care Pain Med*, 2017; 36, 73-76

## LETTER TO THE EDITOR

**B. Assouline, M. Tramèr, N. Elia**

Reply to editor : Adding ketamine to an opioide in a patient-controlled analgesia device

*Pain* 2017; vol 158, n° 9, 1839

PMID: 28816886



W. Karenovics, **C. Ellenberger**, F. Triponez, **M. Licker**

Reply to editor: Short-term preoperative exercise training: should we expect long-term benefits without postoperative exercise stimulus

*European Journal of Cardio-Thoracic Surgery* 2017; 52, 1009-1013

PMID: 28977498

## NARRATIVE REVIEWS

R. Schumacher, R. M. Muri, **B. Walder**

Integrated health care management of moderate to severe TBI in older patients – a narrative review

*Curr Neurol Neurosci Rep* 2017, 17;92

PMID: 28986740

## CASE REPORTS

J.D. Arroja, A.L. Hachulla, **C. Ellenberger**, H. Müller.

Multimodality imaging evaluation of a mitro-aortic fibrosa pseudoaneurysm fistuling into both atria.

*Echocardiography* 2017; 34:139-140

PMID: 27785831