

Prof. Dr. med. Marco P. Zalunardo

Curriculum

- Facharzt FMH Anästhesiologie 1994
- Oberarzt IfA 1995
- Habilitation UZH 2002
- Leitender Arzt IfA 2002
- Titularprofessor UZH 2011

Spezialinteressen klinisch

- Thoraxchirurgie
- Viszeralchirurgie
- Transplantationsmedizin

Spezialinteressen wissenschaftlich

- Alpha-2-Agonisten
- Perioperative Stressprotektion
- Hämodynamik bei Leber- und Lungentransplantationen
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Publikationsliste

Originalarbeiten

1. Baulig W., Maurer K., Theusinger O.M., Hinselmann V., Baulig B., Spahn D.R., **Zalunardo M.P.** (2011) Continuous elastomeric pump based ropivacaine wound instillation after open abdominal aortic surgery: How reliable is the technique? Heart Surgery Forum: Feb 1;14(1):E51-8.

2. **Zalunardo M.P.**, Thalmann C., Seifert B., D`Cunja J., Weder W., Boehler A., Spahn D.R. (2011) Impact of preoperative right-ventricular function and platelet transfusion on outcome after lung transplantation. European Journal of Cardio-Thoracic Surgery 39: 538-542

3. Huebner M., Schaefer M., Demartines N., Mueller S., Maurer K., Baulig W., Clavien P.A., **Zalunardo M.P.**, Zurich Fast Track Study Group (2011) Impact of restrictive intravenous fluid replacement and combined epidural analgesia on perioperative volume balance and renal function within a fast track program. Journal of Surgical Research: 2010 Sep 27. [Epub ahead of print]

4. **Zalunardo M.P.**, Ivleva-Sauerborn A., Seifert B., Spahn D.R. (2010) Quality of premedication and patient satisfaction after premedication with midazolam, clonidine or placebo. An age-adjusted, double-blind comparison. Anaesthesist 59: 410-418

5. De Conno E., Steurer M., Wittlinger M., Feser M., **Zalunardo M.P.**, Weder W., Schneiter D., Schimmer R.C., Klaghofer R., Neff T.A., Schmid E.R., Spahn D.R., Beck-Schimmer B. (2009) Anesthetic-induced improvement of the inflammatory response to one-lung ventilation Anesthesiology 110: 1316-1326

6. Mueller S., **Zalunardo M.P.**, Huebner M., Clavien P.A., Demartines N., Zurich Fast Track Study Group (2009) A fast-track program reduces complications and length of hospital stay following open colonic surgery
Gastroenterology 136: 842-847
7. Ganter M.T., Hofer C.K., Spahn D.R., Bruggisser M., Bombeli T., Seifert B., Pasch T. **Zalunardo M.P.** (2005) The effect of clonidine on perioperative blood coagulation.
Journal of Clinical Anesthesia 17: 456-462
8. Aschkenasy S., Hofer C., **Zalunardo M.**, Zaugg M., Weder W., Seifert B., Pasch T., Zollinger A. (2005) Patterns of changes in arterial PO₂ during one-lung ventilation: a comparison between patients with severe pulmonary emphysema and patients with preserved lung function.
Journal of Cardiothoracic and Vascular Anesthesia 19: 479-484
9. Minder S., Fischler M., Muellhaupt B., **Zalunardo M.P.**, Jenni R., Clavien P.-A., Speich R. (2004) Intravenous iloprost bridging to orthotopic liver transplantation in portopulmonary hypertension
European Respiratory Journal 24: 703-707
10. Ganter M.T., Hofer C.K., Zollinger A., Spahr T., Pasch T., **Zalunardo M.P.** (2004) Accuracy and performance of a modified continuous intravascular blood gas monitoring device during thoroscopic surgery.
Journal of Cardiothoracic and Vascular Anesthesia 18: 587-591
11. Hegi T.R., Bombeli T., Seifert B., Baumann P.C., Haller U., **Zalunardo M.P.**, Pasch T., Spahn D.R. (2004) Effect of rofecoxib on platelet aggregation and blood loss in gynaecological and breast surgery compared with diclofenac.
British Journal of Anaesthesia 92: 523-531
12. Speich R., Nicod L.P., Aubert J.D., Spiliopoulos A., Wellinger J., Robert J.H., Stocker R., **Zalunardo M.**, Gasche-Soccal P., Boehler A., Weder W. (2004) Ten years of lung transplantation in Switzerland: results of the Swiss Lung Transplant Registry.
Swiss Medical Weekly 134: 18-23
13. Hofer C., Zollinger A., Rak M., Klaghofer R., Pasch T., **Zalunardo M.P.** (2004) Therapeutic impact of intraoperative transoesophageal echocardiography during non cardiac surgery.
Anaesthesia 59: 3-9
14. Dutly A.E., Inci I., Hillinger S., **Zalunardo M.**, Gaspert A., Rousson V., Seifert B., Weder W. (2003) Normal gas exchange after 30-h ischemia and treatment with phosphodiesterase inhibitor PDI747.
European Journal of Cardiothoracic Surgery 24: 594-600
15. Bloch K.E., Weder W., Boehler A., **Zalunardo M.P.**, Russi E.W. (2002) Successful lung volume reduction surgery in a child with severe airflow obstruction and hyperinflation due to constrictive bronchiolitis
Chest 122:747-750
16. **Zalunardo M.P.**, Bimmler D., Grob U.C., Stocker R., Pasch T., Spahn D.R. (2002) Late oesophageal perforation following intraoperative transoesophageal echocardiography.
British Journal of Anaesthesia 88:595-597
17. **Zalunardo M.P.**, Serafino D., Szelloe P., Weisser F., Zollinger A., Seifert B., Pasch T. (2002) Preoperative clonidine blunts hyperadrenergic and hemodynamic responses to prolonged tourniquet inflation under general anesthesia.
Anesthesia and Analgesia 94:615-618
18. Hofer C., **Zalunardo M.P.**, Klaghofer R., Spahr T., Pasch T., Zollinger A. (2002) Changes in intrathoracic blood volume associated with pneumoperitoneum and positioning.
Acta Anaesthesiologica Scandinavica 46:303-308

19. Hofer C., **Zalunardo M.P.**, Zollinger A. (2001) Total intravenous anaesthesia in a patient with familial hypokalaemic paralysis.
Anaesthesia 56: 1082-1089
20. Fehr S.B., **Zalunardo M.P.**, Seifert B., Rentsch K.M., Pasch T., Spahn D.R. (2001) Clonidine decreases propofol requirements during anesthesia: effect on bispectral index.
British Journal of Anaesthesia 86: 627-632
21. Hillinger S., Sandera P., Carboni G.L., Stammberger U., **Zalunardo M.P.**, Schoedon G., Schmid R.A. (2001) Survival and graft function in a large animal lung transplant model after 30 h preservation and substitution of the nitric oxide pathway
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22. Iselin B.M., Willimann P.F.X., Seifert B., Casutt M., Bombeli T., **Zalunardo M.P.**, Pasch T., Spahn D.R. (2001) The isolated reduction of haematocrit does not compromise in vitro blood coagulation.
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23. Speich R., Boehler A., **Zalunardo M.P.**, Stocker R., Russi E.W., Weder W. (2001) Improved outcome after lung transplantation: analysis of factors.
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24. **Zalunardo M.P.**, Zollinger A., Szelloe P, Spahn D.R., Seifert B., Pasch T. (2001) Kardiovaskuläre Stressprotektion während der Anästhesieeinleitung. Vergleich zwischen Clonidin und Esmolol.
Anaesthesist 50: 21-25
25. **Zalunardo M.P.**, Zollinger A., Spahn D.R., Seifert B., Pasch T. (2000) Preoperative clonidine attenuates stress response during emergence of anesthesia.
Journal of Clinical Anesthesia 12: 343-349.
26. Sandera P., Hillinger S., Stammberger U., Schoedon G., **Zalunardo M.**, Weder W., Schmid R.A. (2000) 8-Br-cyclic GMP given during reperfusion improves post-transplant lung edema and free radical injury.
Journal of Heart and Lung Transplantation 19: 173-178.
27. **Zalunardo M.P.**, Zollinger A., Seifert B., Patti M., Pasch T. (1998) Perioperative reliability of an on-site prothrombin time assay under different haemostatic conditions.
British Journal of Anaesthesia 81: 533-536
28. Zaugg M., Lucchinetti E., **Zalunardo M.P.**, Zumstein S., Spahn D.R., Pasch T., Zollinger A. (1998) Substantial changes in arterial blood gases during thoracoscopic surgery can be missed by conventional intermittent laboratory blood gas analyses.
Anesthesia and Analgesia 87: 647-653
29. Schmid R.A., Vogt P., Stocker R., **Zalunardo M.**, Russi E.W., Weder W. (1998) Lung volume reduction surgery for a patient receiving mechanical ventilation after a complex cardiac operation.
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30. **Zalunardo M.P.**, Zollinger A., Spahn D.R., Seifert B., Radjaipour M., Gautschi K., Pasch T. (1997) Effects of intravenous and oral clonidine on hemodynamic and plasma-catecholamine response due to endotracheal intubation.
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31. Zollinger A., Zaugg M., Weder W., Russi E.W., Blumenthal S., **Zalunardo M.P.**, Stoehr S., Thurnheer R., Stammberger U., Spahn D.R., Pasch T. (1997) Video-assisted thoracoscopic volume reduction surgery in patients with diffuse pulmonary emphysema: gas exchange and anesthesiological management.
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32. Zollinger A., Spahn D.R., Singer T., **Zalunardo M.P.**, Stoehr S., Weder W., Pasch T. (1997) Accuracy and clinical performance of a continuous intra-arterial blood-gas monitoring system during thoracoscopic surgery. British Journal of Anaesthesia 79: 47-52

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Übersichtsarbeiten

34. Pasch T., **Zalunardo M.P.**, Orlow P., Siegrist M., Giger M. (2008) Weiterbildung zum Facharzt für Anästhesiologie in der Schweiz. Anästhesie und Intensivmedizin 49: 270-280

35. **Zalunardo M.P.**, Spahn D.R. (2008) Präoperative Massnahmen und Abklärungen: Ein Update. Schweizerische Rundschau für Medizin (PRAXIS) 97: 369-373

36. **Zalunardo M.P.** (2003) Anästhesiologisches Management bei Leberresektionen und Kryochirurgie der Leber. Anaesthesist 52: 89-98.

37. **Zalunardo M.P.** (2002) Präoperative Abklärungen: Welche Routineuntersuchungen sind sinnvoll? Swiss Medical Forum 13: 293-296.

38. **Zalunardo M.P.** (2000) Anästhesie nach Organtransplantation. Anaesthesist 49: 157-169.

39. Pasch T, **Zalunardo M.P.** (2000) Intraoperatives Monitoring: Notwendiges, Sinnvolles und Überflüssiges. Anaesthesist (Suppl) 1) 49: S2-S6.

40. Schulte Steinberg H., Euchner-Wamser I., **Zalunardo M.P.** (1999) Anästhesie bei laparoskopischen Eingriffen. Anaesthesist 48: 755-768

Buchbeiträge

Grande B., **Zalunardo M.P.** (2012) Anästhesie nach Transplantation. In: Anästhesiologie (3. Aufl.). Rossaint R., Werner C., Zwissler B. (Hrsg.), S. 1362-1372, Springer Verlag: Berlin

Zalunardo M.P. (2010) Anesthetic management of liver surgery. In: malignant liver tumors. Current and emerging therapies (3rd edition) Clavien P.A. (ed.), pp. 519-530. Blackwell Science: Boston.

Robertson K.M., **Zalunardo M.P.** (2006) Anesthesia for the liver transplant patient. In: medical care of the liver transplant patient (3rd edition) Killenberg PG, Clavien P.A. (ed.), pp.271-296. Blackwell Science: Boston.

Zollinger A., **Zalunardo M.**, Heinzelmann M., Pasch T. (1993) Clonidin beim agitierten Patienten auf der Intensivstation. In: Clonidin in Anästhesie und Intensivmedizin. Klose R., Büttner J. (Hrsg.), S. 25-32, Perimed-spitta Medizinische Verlagsgesellschaft: Nürnberg

Angeleitete Dissertationen

1. Zalunardo M.P., **Thalmann C.**, Seifert B., D`Cunja J., Weder W., Boehler A., Spahn D.R. (2010) Impact of preoperative right-ventricular function and platelet transfusion on outcome after lung transplantation.
European Journal of Cardio-Thoracic Surgery: 2010 Dec 7. [Epub ahead of print]
2. Bruggisser M. (2007) Einfluss von Clonidin auf die perioperative Blutgerinnung
3. Ivleva-Sauerborn A. (2006). Effektivität verschiedener Strategien zur präoperativen Anxiolyse und Sedation bei Patienten unterschiedlicher Altersgruppen
4. Serafino D. (2003) Der Tourniquet-Bluthochdruck: Prophylaxe und Therapie mit dem Alpha-2-Agonisten Clonidin
5. Rak M. (2000) Indikationen und therapeutische Konsequenzen der intraoperativen transoesophagealen Echokardiographie bei nicht kardiochirurgischen Eingriffen
6. Patti M. (1999) Zuverlässigkeit der perioperativen Schnellbestimmung der Prothrombinzeit mit dem CoaguChek-Plus Coagulation Monitor