



## Prof. Dr. med. Joseph Osterwalder

### Contact

Prof. Dr. med. Joseph Osterwalder  
Switzerland

[joseph.osterwalder@kssg.ch](mailto:joseph.osterwalder@kssg.ch)

### Units

Notfallzentrum

### Profile Function

chief physician

## Publications (80)

Minotti B, Brenner R, Desbiolles L, Osterwalder J, Schoch O, Ammann P. Electrocardiographic alterations by pneumothorax: a case-control study with review of the literature. *Swiss Medical Weekly* 2021; 151

Minotti B, Brenner R, Desbiolles L, Osterwalder J, Schoch O, Ammann P. Electrocardiographic alterations by pneumothorax: a case-control study with review of the literature. *Swiss Med Wkly* 2021; 151:w30041.

Urban M, Bergamin I, Osterwalder J. Sonografische Wandveränderungen der steinfreien Gallenblase – ein diagnostisches und therapeutisches Dilemma. *Praxis* 2021; 110:1-4.

Mathis A, Staub D, Aschwanden M, Frauchiger B, Osterwalder J, Kucher N, Matter C, Banyai M, Hugli O, Righini M, Angelillo-Scherrer A, Rodondi N, Villiger L, Reiner M, Egloff M, Schmid H, Stivala S, Limacher A, Méan M, Aujesky D, Beer J. Elevated HbA1c is not associated with recurrent venous thromboembolism in the elderly, but with all-cause mortality- the SWEETCO 65+ study. *Sci Rep* 2020; 10:2495.

Faller N, Angelillo-Scherrer A, Matter C, Husmann M, Banyai M, Staub D, Mazzolai L, Hugli O, Rodondi N, Cornuz J, Lämmle B, Limacher A, Méan M, Righini M, Aschwanden M, Beer J, Frauchiger B, Osterwalder J, Kucher N, Aujesky D. Predictors and Causes of Long-Term Mortality in Elderly Patients with Acute Venous Thromboembolism: A Prospective Cohort Study. *Am J Med* 2016; 130:198-206.

Osterwalder J, Faller N, Limacher A, Méan M, Righini M, Aschwanden M. Predictors and Causes of Long-Term Mortality in Elderly Patients with Acute Venous Thromboembolism – A Prospective Cohort Study. *Am J Med* 2016; 2017 130:198-206.

Hofmann E, Rodondi N, Bounameaux H, Staub D, Hugli O, Egloff M, Banyai M, Matter C, Aschwanden M, Osterwalder J, Beer J, Frauchiger B, Righini M, Kucher N, Méan M, Limacher A, Aujesky D. Echocardiography does not predict mortality in hemodynamically stable elderly patients with acute pulmonary embolism. *Thromb Res* 2016; 145:67-71.

Osterwalder J, Hofmann E, Limacher A, Méan M, Kucher N, Righini M. Echocardiography does not predict mortality in hemodynamically stable elderly patients with acute pulmonary embolism. *Thromb Res* 2016; 2016 145:67-71.

Grohmann J, Osterwalder J, Beyer J. Viel Rauch um nichts? – Bei Inhalationstrauma ist meist nicht nur die Kohlenmonoxid-Intoxikation relevant. *SWISS MEDICAL FORUM – SCHWEIZERISCHES MEDIZIN-FORUM* 2016;16(11):279-281 2016; 16:279-281.

Osterwalder J, Beyer J, Diethelm M. Viel Rauch um nichts? – Bei Inhalationstrauma ist meist nicht nur die Kohlenmonoxid-Intoxikation relevant. *Swiss Medical Forum* 2016; 2016;16:279-281.

Insam C, Osterwalder J, Méan M, Limacher A, Angelillo-Scherrer A, Aschwanden M. Anticoagulation Management Practices and Outcomes in Elderly Patients with Acute Venous Thromboembolism: A Clinical Research Study. *PLOS one / journal.pone.0148348* 2016; 2016 February 23

Segna D, Banyai M, Osterwalder J, Husmann M, Egloff M, Staub D, Lämmle B, Angelillo-Scherrer A, Aujesky D, Aschwanden M, Cornuz J, Frauchiger B, Méan M, Limacher A, Baumgartner C, Blum M, Beer J, Kucher N, Righini M, Matter C, Rodondi N. Association between thyroid dysfunction and venous thromboembolism in the elderly: a prospective cohort study. *J Thromb Haemost* 2016

Kherbeche H, Osterwalder J, Exer N, Schuhwerk W, Ummenhofer W. Chest compression using the foot or hand method: a prospective, randomized, controlled manikin study with school children. *Eur J Emerg Med* 2015; 2015 epub ahead of print

Beun L, Yersin B, Osterwalder J, Carron P. Pulseless electrical activity cardiac arrest: time to amend the mnemonic "4H&4T"? *Swiss Med Wkly* 2015; 145:w14178.

Sieber R, Osterwalder J. Treatment algorithm reduces oxygen use in the Emergency Department. *Eur J Emerg Med* 2015

Frey P, Matter C, Banyai M, Husmann M, Angelillo-Scherrer A, Kucher N, Osterwalder J, Egloff M, Righini M, Rodondi N, Aschwanden M, Frauchiger B, Beer H, Jaeger K, Limacher A, Méan M, Aujesky D. Physical activity and risk of bleeding in elderly patients taking anticoagulants. *J Thromb Haemost* 2014; 13:197-205.

Osterwalder J. Polypharmacy is Associated with an Increased Risk of Bleeding in Elderly Patients with Venous Thromboembolism. *J Gen Intern Med* 2014; 2014, 21. Aug (Epub ahead of print)

Osterwalder J. The Adherence to Initial Processes of Care in Elderly Patients with Acute Venous Thromboembolism. *PloS one* 2014; July 1, 2014:e100164.

Kämpfen P, Rodondi N, Bounameaux H, Aschwanden M, Egloff M, Banyai M, Cornuz J, Kucher N, Matter C, Frauchiger B, Osterwalder J, Beer H, Jaeger K, Righini M, Limacher A, Méan M, Aujesky D. Risk of falls and bleeding in elderly patients with acute venous thromboembolism. *J Intern Med* 2014; 276:378-86.

Méan M, Trelle S, Matter C, Husmann M, Banyai M, Aschwanden M, Egloff M, Mazzolai L, Hugli O, Bounameaux H, Limacher A, Rodondi N, Righini M, Jaeger K, Beer H, Frauchiger B, Osterwalder J, Kucher N, Lämmle B, Cornuz J, Angelillo-Scherrer A, Aujesky D. The Swiss cohort of elderly patients with venous thromboembolism (SWITCO65+): rationale and methodology. *J Thromb Thrombolysis* 2013; 36:475-83.

Walder B, Haller C, Fandino J, Haberthür C, Wäckelin A, Haller A, Zürcher M, Stover J, Brodmann Maeder M, Ravussin P, Schoettker P, Bottequin E, Delhumeau C, Rebetz M, Haller G, Osterwalder J. Severe traumatic brain injury in a high-income country: an epidemiological study. *J Neurotrauma* 2013; 30:1934-42.

Sanchez B, Camargo C, Yersin B, Sieber R, Osterwalder J, Meier K, Matter H, Lehmann B, Exadaktylos A, Ciurea A, Bingisser R, Hirzel A, Hugli O. State of Emergency Medicine in Switzerland: a national profile of emergency departments in 2006. *Int J Emerg Med* 2013; 6:23.

Osterwalder J. State of Emergency Medicine in Switzerland: a national profile of emergency departments in 2006. *International Journal of Emergency Medicine* 2013; 6

Moser A, Yersin B, Osterwalder J, Carron P. [Concept of first responders in Western Switzerland: current situation and future perspectives]. *Rev Med Suisse* 2013; 9:780-2.

Scherz N, Angelillo-Scherrer A, Lämmle B, Husmann M, Egloff M, Aschwanden M, Bounameaux H, Cornuz J, Rodondi N, Banyai M, Matter C, Méan M, Limacher A, Righini M, Jaeger K, Beer H, Frauchiger B, Osterwalder J, Kucher N, Aujesky D. Prospective, multicenter validation of prediction scores for major bleeding in elderly patients with venous thromboembolism. *J Thromb Haemost* 2013; 11:435-43.

Osterwalder J. Notfallsonografie – Blank/Mathis/Osterwalder. Stuttgart: Thieme, 2013. ISBN 978 3 13 170191 6.

Osterwalder J. Das kardiogene Lungenödem – Mythos und Realität aus der Sicht der Notfallmedizin. Praxis 2012; 101:1251-1259.

Osterwalder J. [Cardiogenic pulmonary edema – truth and myths in the perspective of emergency medicine]. Praxis (Bern 1994) 2012; 101:1251-9.

Zwierzina D, Lämmle B, Egloff M, Aschwanden M, Mazzolai L, Hugli O, Husmann M, Bounameaux H, Cornuz J, Rodondi N, Angelillo-Scherrer A, Banyai M, Limacher A, Méan M, Righini M, Jaeger K, Beer H, Frauchiger B, Osterwalder J, Kucher N, Matter C, Aujesky D. Prospective comparison of clinical prognostic scores in elderly patients with pulmonary embolism. J Thromb Haemost 2012

Osterwalder J, von Ow D. Bildgebung – Notfallmedizinische Arbeitstechniken. In: Klinische Notfallmedizin. München: Elsevier GmbH, Urban & Fischer Verlag, 2012. ISBN 978-3-437-23246-6. pp. 611-617.

Osterwalder J, von Ow D. Sonographisches Schockraummanagement beim Trauma – Etabliertes Verfahren beim Traumamanagement. Klinikarzt 2012; 41:23-27.

Osterwalder J. Notfallsonographie im Krankenhaus – – Pflicht oder Kür. Klinikarzt 2012; 41:13-16.

Osterwalder J. Zentrale Notfallaufnahmen in der Schweiz. In: Das ZNA-Buch. 2012. ISBN 978-3-941468-28-3. pp. 567-572.

Osterwalder J, Sieber R, Greminger P, Häuptle C. Notfallstation und Hausarztzubereitung – Synergien – Services d'urgences et formation des généralistes – utilisons les synergies. 2012

Osterwalder J. Klinische Notfallmedizin – Atemnot. In: Klinische Notfallmedizin. 1. AuflageD-München: www.elsevier.de, 2012. ISBN 978-3-437-23246-6. pp. 42-47.

Osterwalder J. Klinische Notfallmedizin – Pneumologische Notfälle. In: Pneumologische Notfälle. 1. AusgabeD-München: www.elsevier.de, 2012. ISBN 978-3-437-23246-6. pp. 203-219.

Osterwalder J. Pneumologische Notfälle. In: Klinische Notfallmedizin. 1. AusgabeD-München: www.elsevier.de, 2012. ISBN 978-3-437-23246-6. pp. 203-219.

Strub B, Sonderegger J, Von Campe A, Grünert J, Osterwalder J. What benefits does ultrasound-guided axillary block for brachial plexus anaesthesia offer over the conventional blind approach in hand surgery?. J Hand Surg Eur Vol 2011; 36:778-786.

Osterwalder J, Braun D. Strengths and weaknesses of chest compression training: a preliminary retrospective study. Swiss Med Wkly 2011; 141:w13221.

Aujesky D, Fine M, Perrier A, Beer H, Hugli O, Cornuz J, N'gako A, Pugh N, Sanchez O, Legall C, Stone R, Verhamme P, Renaud B, Egloff M, Osterwalder J, Righini M, Verschuren F, Roy P, Yealy D. Outpatient versus inpatient treatment for patients with acute pulmonary embolism: an international, open-label, randomised, non-inferiority trial. Lancet 2011; 378:41-8.

Osterwalder J. 3-Länderübergreifende Basisausbildung und Curriculum Notfallsonografie. Ultraschall in der Medizin 2011; 32:218-220.

Osterwalder J. Klinikleitfaden Sonographie Common Trunk. In: Klinikleitfaden Sonographie common Trunk. Elsevier, 2011. ISBN 978-3-437-22403-4.

Osterwalder J. Bildatlas der Lungen- und Pleurasonographie. In: Bildatlas der Lungen- und Pleurasonographie. 5. Auflage Heidelberg: Springer, 2011. ISBN 978-3-642-03566-1.

Osterwalder J. Modernes Traumamanagement - Traumatologie. In: Orthopädie und Unfallchirurgie. Berlin Heidelberg New York: Springer Medizin, 2011. ISBN 978-3-642-13110-3.

Osterwalder J. Update FAST. Praxis (Bern 1994) 2010; 99:1545-1549.

Osterwalder J. Notfallsonographie. Praxis 2010; 99:1529-1529.

Osterwalder J. Hausarzt in der Notfallpraxis des Zentrumspital. SÄZ 2010; 91:2012-2014.

Osterwalder J. Notfallsonographie am Thorax. In: Bildatlas der Lungen und Plaurasonographie. 2010 Heidelberg: Springer Distribution Center, 2010. ISBN 978-3-642-03566-1. pp. 249-254.

von Elm E, Schoettker P, Henzi I, Osterwalder J, Walder B. Pre-hospital tracheal intubation in patients with traumatic brain injury: systematic review of current evidence. British journal of anaesthesia 2009; 103:371-86.

von Ow D, Osterwalder J. [Initial assessment and management of acute poisonings]. Therapeutische Umschau. Revue thérapeutique 2009; 66:322-30.

von Elm E, Osterwalder J, Graber C, Schoettker P, Stocker R, Zangger P, Vuadens P, Egger M, Walder B. Severe traumatic brain injury in Switzerland - feasibility and first results of a cohort study. Swiss medical weekly : official journal of the Swiss Society of Infectious Diseases, the Swiss Society of Internal Medicine, the Swiss Society of Pneumology 2008; 138:327-34.

Cornuz J, Bachmann M, Maurer P, Willers J, Müller P, Guessous I, Bangala Y, van Melle G, Klingler K, Osterwalder J, Jungi W, Zwahlen S, Cerny T. A vaccine against nicotine for smoking cessation: a randomized controlled trial. PloS one 2008; 3:e2547.

Osterwalder J. Insufficient quality of research on prehospital medical emergency care--where are the major problems and solutions?. Swiss medical weekly : official journal of the Swiss Society of Infectious Diseases, the Swiss Society of Internal Medicine, the Swiss Society of Pneumology 2004; 134:389-94.

Restellini J, Nickel D, Vallotton M, Vallotton A, Steiner-König U, Ramseier F, Osterwalder J, Guillod O, Grütter P, Berner-Chervet D, Swiss Academy of Medical Sciences. The exercise of medical activities in respect to detained persons. Medical-ethical guidelines of the Swiss Academy of Medical Sciences. Swiss medical weekly : official journal of the Swiss Society of Infectious Diseases, the Swiss Society of Internal Medicine, the Swiss Society of Pneumology 2004; 134:136-9.

Osterwalder J. Mortality of blunt polytrauma: a comparison between emergency physicians and emergency medical technicians--prospective cohort study at a level I hospital in eastern Switzerland. The Journal of trauma 2003; 55:355-61.

Osterwalder J. The P value as the guardian of medical truth -- illusion or reality?. *European journal of emergency medicine : official journal of the European Society for Emergency Medicine* 2002; 9:283-6.

Osterwalder J. Could a regional trauma system in eastern Switzerland decrease the mortality of blunt polytrauma patients? A prospective cohort study. *The Journal of trauma* 2002; 52:1030-6.

Osterwalder J. Can the "golden hour of shock" safely be extended in blunt polytrauma patients? Prospective cohort study at a level I hospital in eastern Switzerland. *Prehospital and disaster medicine : the official journal of the National Association of EMS Physicians and the World Association for Emergency and Disaster Medicine in association with the Acute Care Foundation* 2002; 17:75-80.

Osterwalder J. Portal hypertension. Where is evidence for 5% dextrose and pulmonary artery catheter?. *BMJ (Clinical research ed.)* 2001; 322:1492.

Osterwalder J, Riederer M. [Quality assessment of multiple trauma management bu ISS, TRISS or ASCOT?]. *Schweizerische medizinische Wochenschrift* 2000; 130:499-504.

Schlegel M, Osterwalder J, Galeazzi R, Vernazza P. Comparative efficacy of three mumps vaccines during disease outbreak in Eastern Switzerland: cohort study. *BMJ (Clinical research ed.)* 1999; 319:352.

Osterwalder J. Emergency medicine in Switzerland. *Annals of emergency medicine* 1998; 32:243-7.

Osterwalder J, Schuhwerk W. Effectiveness of mask ventilation in a training mannikin. A comparison between the Oxylator EM100 and the bag-valve device. *Resuscitation* 1998; 36:23-7.

Blöchliger C, Osterwalder J, Hatz C, Tanner M, Junghans T. [Asylum seekers and refugees in the emergency department]. *Sozial- und Präventivmedizin* 1998; 43:39-48.

Osterwalder J, Widrig R, Stober R, Gächter A. Diagnostic validity of ultrasound in patients with persistent wrist pain and suspected occult ganglion. *The Journal of hand surgery* 1997; 22:1034-40.

Osterwalder J. [The comatose patient: initial considerations and measures]. *Praxis* 1996; 85:1626-9.

Knoblauch A, Steiner B, Bachmann S, Trachsler G, Burgheer R, Osterwalder J. Accidents related to manure in eastern Switzerland: an epidemiological study. *Occupational and environmental medicine* 1996; 53:577-82.

Osterwalder J. The ABCD of resuscitation. *Ther Umsch* 1996; 53:611-4.

Osterwalder J, Oechslin E. Calling the dead back to life. *Ther Umsch* 1996; 53:605-6.

Bernoulli L, Oechslin E, Osterwalder J, Wietlisbach M. [Resuscitation equipment of the emergency physician]. *Therapeutische Umschau. Revue thérapeutique* 1996; 53:658-9.

Osterwalder J. Naloxone--for intoxications with intravenous heroin and heroin mixtures--harmless or hazardous? A prospective clinical study. *J Toxicol Clin Toxicol* 1996; 34:409-16.

Osterwalder J. Is textbook knowledge of ultrasonography also valid in emergency admission?. Schweiz Med Wochenschr 1995; 125:2499-501.

Vernazza P, Gresser S, Koller C, Osterwalder J. Condom semen samples for unlinked anonymous HIV testing. Lancet 1995; 346:962-3.

Osterwalder J. Patients intoxicated with heroin or heroin mixtures: how long should they be monitored?. Eur J Emerg Med 1995; 2:97-101.

Osterwalder J. [The HIV test in Switzerland--an epidemiological position determination?]. Schweiz Monatsschr Zahnmed 1993; 103:1345-6.

Osterwalder J. The effect of first aid and care times on the clinical course and treatment results in multiple trauma. Initial interim results of an interdisciplinary trauma registry in the St. Gallen district hospital. Schweiz Med Wochenschr 1992; 122:1571-81.

Osterwalder J, Ruffin G. [Quality assurance in traumatology--initial experiences with a computer program for the selection of trauma patients for morbidity and mortality conferences]. Z Unfallchir Versicherungsmed 1992; 85:96-101.

Osterwalder J, Knoblauch A. [Randomized and controlled single-case study--a scientific method for individual and difficult therapy decisions in clinical practice exemplified with methotrexate use in asthma]. Schweiz Rundsch Med Prax. 1991; 80:1168-72.

Osterwalder J. [Monitoring of heparin therapy using thrombin time and activated partial thromboplastin time--a comparison]. Schweiz Med Wochenschr 1987; 117:539-40.

Holdener E, Osterwalder J, Senn H, Enderlin F, Gloor F. [Secondary malignancies after breast cancer surgery. Comparison of retro- and prospective findings]. Schweiz Med Wochenschr 1982; 112:1800-4.

## Projects (2)

**Immediate non-invasive ventilatory (NIV) support in patients with severe respiratory failure on the emergency ward (ED)- Experience of a 6 months pilot**

*Fundamental Research - Jun 1, 2013 - Jan 1, 2015*

*Completed*

**The Swiss Venous Thromboembolism Cohort 65+ (SWITCO 65+)**

*Clinical Studies - Sep 7, 2009 - Sep 7, 2014*

*Completed*

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Kantonsspital St.Gallen

Rorschacher Strasse 95

CH-9007 St.Gallen

T: +41 71 494 11 11

[support.forschung@kssg.ch](mailto:support.forschung@kssg.ch)