Thomas Scheeren
Critical care, Anesthesiology, Peri-operative and Emergency medicine (CAPE)



Employment

Critical care, Anesthesiology, Peri-operative and Emergency medicine (CAPE)
University of Groningen
Netherlands
1-Jan-2012 → present

Research output

Loading conditions rather than contractility primarily determine biventricular ejection fraction in endotoxic shock
García, M. I. M., Schneider, B., Ma, G., Hatib, F., Jian, Z., Settels, J. J., López, I. F., Scheeren, T. W. L. & Pinsky, M. R., Sept-2026, In: American Journal of Physiology - Heart and Circulatory Physiology. 331, 3, p. H817-H831 15 p.

The Influence of Older Age on RBC Transfusion Decisions in ICU Patients
International Point Prevalence Study of ICU Transfusion Practices (InPUT) study group, Schaap, C. M., Raasveld, S. J., Reizine, F., Corentin, B., Schenk, J., de Bruin, S., Reuland, M. C., van den Oord, C., Flint, A. W. J., Hamid, T., Piagnerelli, M., Mahečić, T. T., Benes, J., Russell, L., Aguirre-Bermeo, H., Triantafyllopoulou, K., Chantziara, V., Gurjar, M. & Myatra, S. N. & 24 others, Pota, V., Elhadi, M., Gawda, R., Mourisco, M., Lance, M., Neskovic, V., Podbregar, M., Llau, J. V., Quintana-Diaz, M., Cronhjort, M., Pfortmueller, C. A., Yapici, N., Nielsen, N., Shah, A., Bakker, J., Cecconi, M., Feldheiser, A., Meier, J., McQuilten, Z., Müller, M. C. A., Scheeren, T. W. L., Aubron, C., Vlaar, A. P. J. & de Grooth, H.-J., Jul-2026, In: Critical care medicine. 54, 7, p. 1667-1679 13 p.

The dose-response relationship between norepinephrine dose and mean arterial pressure with and without general anaesthesia: A study in healthy volunteers
de Keijzer, I. N., van den Berg, J. P., Massari, D., Absalom, A. R., Bosch, D. J., van Faassen, M., Scheeren, T. W. L., Struys, M. M. R. F., Colin, P. J. & Vos, J. J., Jun-2026, In: European journal of anaesthesiology. 43, p. 506-516 11 p.

Individualised Perioperative Blood Pressure and Fluid Therapy in Oesophagectomy a prospective, single-blind randomised controlled trial
Hovgaard, H. L., Vistisen, S. T., Enevoldsen, J., de Paoli, F., Lie, R. H., Obad, D. S., Lind, P. C., Katballe, N., Kjær, D., Jørgensen, M. R. S., Karaliunaite, Z., Jeppesen, A. N., Riber, L. & Scheeren, T. T., Apr-2026, In: Anesthesiology. 144, 4, p. 823-836 14 p.

Intraoperative renal and cerebral tissue oxygen saturation measurements to predict postoperative acute kidney injury in pediatric cardiac surgery: a prospective observational study
Massari, D., Modestini, M., Niezen, C. K., Yeh, L., Zoutman, A. C., Scheeren, T. W. L., Accord, R. E., van Amsterdam, K., Struys, M. M. R. F. & Vos, J. J., Apr-2026, In: Journal of Clinical Monitoring and Computing. 40, p. 405 - 416 12 p.

The effects of lipopolysaccharide-induced endotoxic shock on the intestinal microcirculatory perfusion: an experimental study in pigs
Flick, M., Schneider, B., Hatib, F., Jian, Z., Saugel, B., Monge García, M. I. & Scheeren, T. W. L., Apr-2026, In: Intensive Care Medicine Experimental. 14, 1, 8 p., 47.

Performance of the hypotension prediction index as an indicator of hypotensive haemodynamic instability in surgical patients
Davies, S., Buddi, S., Jian, Z., Fleming, N. W., Cannesson, M., Sander, M., Veelo, D. P., Vlaar, A. P. J., Scheeren, T. W. L., Mythen, M. & Hatib, F., 25-Feb-2026, (E-pub ahead of print) In: Perioperative Medicine. 33 p.

Association of intraoperative hypotension and acute kidney injury in noncardiac surgery patients: a post hoc secondary analysis of the EU HYPROTECT registry
Runge, J., Grundmann, C. D., Mucha, C., Denz, R., Kouz, K., García, M. I. M., Cerutti, E., Frassanito, L., Sander, M., Davies, S. J., Donati, A., Ripolles-Melchor, J., García-Lopez, D., Vojnar, B., Gayat, E., Nol, E., van den Boom, T., Bramlage, P., Saugel, B. & Scheeren, T. W. L. & 1 others, Frey, U. H., Feb-2026, In: Journal of Clinical Monitoring and Computing. 40, p. 59–67 9 p.

Safety and efficacy of 6% hydroxyethyl starch in patients undergoing major surgery: The randomised controlled PHOENICS trial
Buhre, W., Díaz-Cambronero, Ó., Schaefer, S., Novacek, M., Domingo, M. S., Stessel, B., Rodríguez-Pérez, A., Richter, T., Rohe, G., Cholley, B., Gruenewald, M., Kuiper, G., Jaber, S., de Korte, D., Belda, J., de Abreu, M. G., Baronica, R., Scheeren, T., Ferrando-Ortolá, C. & Szczeklik, W. & 99 others, Tomescu, D., Vyzamal, T., Gavranovic, Z., Argente-Navarro, M. P., Mazzinari, G., Thaler, S., García-Gregorio, N., Vandenbrande, J., Zlotnik, D., Wittenstein, J., Schmier, S., Rohn, S., Glasmacher, C., Holler, M., Jungheinrich, C., Niess, U., Sessler, D. I., Westphal, M., Alberola, M. J., Aldecoa, C., Montero, B. A., Baronica, R., Becerra-Bolaños, Á., Bornemann-Cimenti, H., Boselli, E., Bruno, L., Callebaut, I., Constantin, J. M., Cordula, A., Cox, B., De Jong, A., Depays, F., Diekmann, M., Diers, A., Dirzu, D. S., Droc, G., Velez, M. E., El Amine, Y., Felipe, M., Gabriel, P., García Del Valle, S., Vargas, L. G., Garner, M., Garutti, I., Geebelen, L., Godier, A., Goss, S., Grintescu, I., Groene, P., Grote, T., Gunnar, E., Hollmann, M. W., Jankovic, R., Johannessen, M. V., Kahn, D., Kaufmann, T., Kezar, A., Klimscha, W., Kluzik, A., Krofak, S., Krzych, Ł., Kudlinski, B., Lamrani, J., Lasocki, S., Lebuffe, G., Lennartz, S., Lewandowski, P., Marchesi, C., Castro, N. M., Martin-Pacetti, M. A., Matejka, V., Molina, I., Moreno, V., Müller, C., Muñoz-Forner, E., Novackova, L., Ongenae, M., Ostmeier, N., Owczuk, R., Sarmiento-Trujillo, T., Scharffenberg, M., Scheiermann, P., Marín, N. S., Silvius Ioan, N., Smit-Fun, V., Soukup, J., Trebesius, N., Trujillo-Morales, H., Tyll, T., Lorenzo, M. U., Valencia-Sola, L., Verdeguer, S., Verdonk, F., Montañes, M. V., Vojnar, B., Wappler, F., Weiss, T., Welna, M. & Wittmann, M., 1-Jan-2026, In: European Journal of Anaesthesiology. 43, 1, p. 1-10 10 p.

Multinational transfusion practices and outcomes in haematology patients admitted to the intensive care unit
InPUT Study Group, Schaap, C. M., Oomen, L. A., Raasveld, S. J., Schenk, J., de Bruin, S., Reuland, M. C., van den Oord, C., Bakker, J., Cecconi, M., Feldheiser, A., Meier, J., McQuilten, Z., Scheeren, T. W. L., Aubron, C., Flint, A. W. J., Hamid, T., Piagnerelli, M., Mahečić, T. T. & Benes, J. & 24 others, Russell, L., Aguirre-Bermeo, H., Triantafyllopoulou, K., Chantziara, V., Gurjar, M., Myatra, S. N., Pota, V., Elhadi, M., Gawda, R., Mourisco, M., Lance, M., Neskovic, V., Podbregar, M., Llau, J. V., Quintana-Diaz, M., Cronhjort, M., Pfortmueller, C. A., Yapici, N., Nielsen, N., de Grooth, H.-J., Vlaar, A. P. J., Biemond, B. J., Shah, A. & Müller, M. C. A., 2026, In: Vox Sanguinis. 121, 2, p. 169-179 11 p.

Association between red blood cell transfusion and adverse clinical outcomes is Independent of cardiac history: a multicenter observational InPUT study analysis
InPUT Study Group, Kimmoun, A., Girerd, N., Duarte, K., Bruno, J., Schenk, J., Levy, B., Baudry, G., Raasveld, S. J., de Bruin, S., Reuland, M. C., van den Oord, C., Schaap, C. M., Bakker, J., Cecconi, M., Feldheiser, A., Meier, J., McQuilten, Z., Müller, M. C. A. & Scheeren, T. W. L. & 30 others, Aubron, C., Flint, A. W. J., Hamid, T., Piagnerelli, M., Mahečić, T. T., Benes, J., Russell, L., Aguirre-Bermeo, H., Triantafyllopoulou, K., Chantziara, V., Gurjar, M., Myatra, S. N., Pota, V., Elhadi, M., Gawda, R., Mourisco, M., Lance, M., Neskovic, V., Podbregar, M., Llau, J. V., Quintana-Diaz, M., Cronhjort, M., Pfortmueller, C. A., Yapici, N., Nielsen, N., Shah, A., de Grooth, H. J., Vlaar, A. P. J., Mebazaa, A. & Hesselink, L. K. K., 18-Dec-2025, In: Critical care (London, England). 29, 12 p., 526.

Global transfusion practices in septic patients in the intensive care unit: insights from the InPUT-study sub-analysis
InPUT Study Group, Kurucz, V. C., Flint, A. W. J., Poole, A., Reuland, M. C., van den Oord, C., Schaap, C. M., Bakker, J., Cecconi, M., Feldheiser, A., Meier, J., McQuilten, Z., Müller, M. C. A., de Bruin, S., Scheeren, T. W. L., Hamid, T., Aubron, C., Piagnerelli, M., Mahečić, T. T. & Benes, J. & 24 others, Russell, L., Aguirre-Bermeo, H., Triantafyllopoulou, K., Chantziara, V., Gurjar, M., Myatra, S. N., Pota, V., Elhadi, M., Gawda, R., Mourisco, M., Lance, M., Neskovic, V., Podbregar, M., Llau, J. V., Quintana-Diaz, M., Cronhjort, M., Pfortmueller, C. A., Yapici, N., Nielsen, N., Shah, A., de Grooth, H.-J., Vlaar, A. P. J., Schenk, J. & Raasveld, S. J., Dec-2025, In: Transfusion. 65, 12, p. 2272-2285 14 p.

Platelet Transfusion Practices in the ICU: A Prospective Multicenter Cohort Study
InPUT Study Group, van Wonderen, S. F., Raasveld, S. J., Flint, A. W. J., Schenk, J., van den Oord, C., Reuland, M. C., de Bruin, S., Bakker, J., Cecconi, M., Feldheiser, A., Meier, J., Müller, M. C. A., Scheeren, T. W. L., Hamid, T., Piagnerelli, M., Mahečić, T. T., Benes, J., Russell, L. & Aguirre-Bermeo, H. & 22 others, Triantafyllopoulou, K., Chantziara, V., Gurjar, M., Myatra, S. N., Pota, V., Elhadi, M., Gawda, R., Mourisco, M., Lance, M., Neskovic, V., Podbregar, M., Llau, J. V., Quintana-Diaz, M., Cronhjort, M., Pfortmueller, C. A., Yapici, N., Nielsen, N. D., Shah, A., de Grooth, H.-J., McQuilten, Z., Vlaar, A. P. J. & Aubron, C., Dec-2025, In: Critical Care Medicine. 53, 12, p. e2526-e2539 14 p.

Vasopressor use after noncardiac surgery: an international observational study
Writing committee for the Squeeze investigators, Jammer, I., Martin, P., Wunsch, H., Debouche, S., Harlet, P., Moonesinghe, R., Forni, L. & Creagh-Brown, B., Dec-2025, In: British Journal of Anaesthesia. 135, 6, p. 1609-1617 9 p.

Prognostic Value of Perioperative Near-Infrared Spectroscopy Monitoring for Postoperative Acute Kidney Injury in Pediatric Cardiac Surgery: A Systematic Review
Niezen, C. K., Modestini, M., Massari, D., Bos, A. F., Scheeren, T. W. L., Struys, M. M. R. F. & Vos, J. J., Sept-2025, In: Seminars in Cardiothoracic and Vascular Anesthesia. 29, 3, p. 209-218 10 p.

Deep learning model to identify and validate hypotension endotypes in surgical and critically ill patients
Jian, Z., Liu, X., Kouz, K., Settels, J. J., Davies, S., Scheeren, T. W. L., Fleming, N. W., Veelo, D. P., Vlaar, A. P. J., Sander, M., Cannesson, M., Berger, D., Pinsky, M. R., Sessler, D. I., Hatib, F. & Saugel, B., Feb-2025, In: British Journal of Anaesthesia. p. 308-316 9 p.

Plasma transfusion in the intensive care unit
InPUT Study Group, van Haeren, M. M. T., Raasveld, S. J., de Bruin, S., Reuland, M. C., van den Oord, C., Schenk, J., Aubron, C., Bakker, J., Cecconi, M., Feldheiser, A., de Grooth, H.-J., Meier, J., Scheeren, T. W. L., McQuilten, Z., Flint, A., Hamid, T., Piagnerelli, M., Mahečić, T. T. & Benes, J. & 22 others, Russell, L., Aguirre-Bermeo, H., Triantafyllopoulou, K., Chantziara, V., Gurjar, M., Myatra, S. N., Pota, V., Elhadi, M., Gawda, R., Mourisco, M., Lance, M., Neskovic, V., Podbregar, M., Llau, J. V., Quintana-Diaz, M., Cronhjort, M., Pfortmueller, C. A., Yapici, N., Nielsen, N. D., Shah, A., Vlaar, A. P. J. & Müller, M. C. A., Jan-2025, In: Transfusion. 65, 1, p. 73-87 15 p.

Association of early perioperative stroke after cardiothoracic surgery with intraoperative regional cerebral oxygenation using near-infrared spectroscopy: an observational cohort study comparing affected versus non-affected hemispheres
Pierik, R., Scheeren, T. W. L., Erasmus, M. E. & van den Bergh, W. M., 2025, In: Journal of Clinical Monitoring and Computing. 39, p. 271–281 11 p.

Comparing the haemodynamic effects of high- and low-dose opioid anaesthesia: a secondary analysis of a randomised controlled trial
Marges, O. M., Nieboer, J. P., de Keijzer, I. N., Rettab, R., van Amsterdam, K., Scheeren, T. W. L., Absalom, A. R. A., Vereecke, H. E. M., Struys, M. M. R. F., Vos, J. J. & van den Berg, J. P., Dec-2024, In: Journal of Clinical Monitoring and Computing. 38, p. 1347–1355 9 p.

Comparison of Differences in Cohort (Forward) and Case Control (Backward) Methodologic Approaches for Validation of the Hypotension Prediction Index
Davies, S. J., Sessler, D. I., Jian, Z., Fleming, N. W., Mythen, M., Maheshwari, K., Veelo, D. P., Vlaar, A. P., Settels, J., Scheeren, T., van der Ster, B., Sander, M., Cannesson, M. & Hatib, F., 1-Sept-2024, In: Anesthesiology. 141, 3, p. 443-452 10 p.

Can the values of the venous-to-arterial pCO 2 difference (pCO 2 gap) be negative? A response
de Keijzer, I. N., Kaufmann, T., de Waal, E. E. C., Frank, M., de Korte-de Boer, D., Montenij, L. M., Buhre, W. F. F. A. & Scheeren, T. W. L., Aug-2024, In: Journal of Clinical Monitoring and Computing. 38, p. 929–930 2 p.

The effects of respiratory rate and tidal volume on pulse pressure variation in healthy lungs–a generalized additive model approach may help overcome limitations
Enevoldsen, J., Brandsborg, B., Juhl-Olsen, P., Rees, S. E., Thaysen, H. V., Scheeren, T. W. L. & Vistisen, S. T., Aug-2024, In: Journal of Clinical Monitoring and Computing. 38, 4, p. 57–67 11 p.

Can perioperative pCO_2 gaps predict complications in patients undergoing major elective abdominal surgery randomized to goal-directed therapy or standard care? : A secondary analysis
de Keijzer, I. N., Kaufmann, T., de Waal, E. E. C., Frank, M., de Korte-de Boer, D., Montenij, L. M., Buhre, W. & Scheeren, T. W. L., Apr-2024, In: Journal of Clinical Monitoring and Computing. 38, p. 469–477 9 p.

Impact of clinicians' behavior, an educational intervention with mandated blood pressure and the hypotension prediction index software on intraoperative hypotension: a mixed methods study
de Keijzer, I. N., Vos, J. J., Yates, D., Reynolds, C., Moore, S., Lawton, R. J., Scheeren, T. W. L. & Davies, S. J., Apr-2024 , In: Journal of Clinical Monitoring and Computing. 38, p. 325–335 11 p.

Cerebral oximetry
Massari, D., de Keijzer, I. N., Vos, J. J. & Scheeren, T. W. L., 2024, *Hemodynamic Monitoring and Fluid Therapy during Surgery.* Joosten, A., Cannesson, M. & Hahn, R. G. (eds.). Cambridge University Press, p. 57-66 10 p.

Hypotension Prediction Index software alarms during major noncardiac surgery: a post hoc secondary analysis of the EU-HYPROTECT registry
Kouz, K., Scheeren, T. W. L., van den Boom, T. & Saugel, B., Dec-2023, In: BJA open. 8, 3 p., 100232.

Red Blood Cell Transfusion in the Intensive Care Unit
InPUT Study Group, Raasveld, S. J., de Bruin, S., Reuland, M. C., van den Oord, C., Schenk, J., Aubron, C., Bakker, J., Cecconi, M., Feldheiser, A., Meier, J., Müller, M. C. A., Scheeren, T. W. L., McQuilten, Z., Flint, A., Hamid, T., Piagnerelli, M., Tomic Mahecic, T., Benes, J. & Russell, L. & 21 others, Aguirre-Bermeo, H., Triantafyllopoulou, K., Chantziara, V., Gurjar, M., Myatra, S. N., Pota, V., Elhadi, M., Gawda, R., Mourisco, M., Lance, M., Neskovic, V., Podbregar, M., Llau, J. V., Quintana-Diaz, M., Cronhjort, M., Pfortmueller, C. A., Yapici, N., Nielsen, N. D., Shah, A., de Grooth, H.-J. & Vlaar, A. P. J., 21-Nov-2023, In: JAMA. 330, 19, p. 1852-1861 10 p.

Red blood cell transfusion in the intensive care unit: the InPUT-study, a Worldwide Prospective Cohort Study on Transfusion Practices
Raasveld, J., de Bruin, S., Reuland, M., van den Oord, C., Schenk, J., Aubron, C., Bakker, J., Cecconi, M., Feldheiser, A., Meier, J., Müller, M. C. A., Scheeren, T., McQuilten, Z., De grooth, H. J. & Vlaar, A. P. J., 24-Oct-2023, In: Intensive Care Medicine Experimental. 11, Suppl 1, p. 9-10 2 p.

Procedural sedation duration and the relation with formation of atelectasis and respiratory complaints
Driesens, M., Absalom, A., Scheeren, T., Meyer, P., Vos, J. J. & Barends, C., Jul-2023, In: Canadian journal of anesthesia-Journal canadien d anesthesie. 70, p. 1275-1276 2 p.

Near-infrared spectroscopy and processed electroencephalogram monitoring for predicting peri-operative stroke risk in cardiothoracic surgery: An observational cohort study
Pierik, R., Scheeren, T. W. L., Erasmus, M. E. & Van Den Bergh, W. M., 1-Jun-2023, In: European Journal of Anaesthesiology. 40, 6, p. 425-435 11 p.

Effects of norepinephrine and general anaesthesia on the mean systemic filling pressure
de Keijzer, I. N., van den Berg, J. P., Struys, M. M., Scheeren, T. W. & Vos, J. J., Jun-2023, In: European Journal of Anaesthesiology. 40, e-Supplement 61, p. 62-63 2 p.

Monitoring en hemodynamische therapie
de Waal, E. E. C., Scheeren, T. W. L. & Wietasch, J. K. G., 1-May-2023, *Handboek PACU: Intensieve postoperatieve patiëntenzorg.* de Bruin, A. F. J., van Dongen, H. P. A. & van Fessem, J. M. K. (eds.). Bohn, Stafleu, Van Loghum

Mitral Valve Coaptation Reserve Index: A Model to Localize Individual Resistance to Mitral Regurgitation Caused by Annular Dilation
Jainandunsing, J. S., Massari, D., Vos, J. J., Wijdh-den Hamer, I. J., van den Heuvel, A. F., Mariani, M. A., Mahmood, F., Bouma, W. & Scheeren, T. W. L., May-2023, In: Journal of cardiothoracic and vascular anesthesia. 37, 5, p. 690-697 8 p.

Pharmacodynamic Effects of Norepinephrine in a Cross-Over Study with Awake and Anesthetized Healthy Volunteers
de Keijzer, I., van den Berg, J., Absalom, A., Bosch, D., van Faassen, M., Scheeren, T., Struys, M., Colin, P. & Vos, J. J., May-2023, In: Anesthesia and Analgesia. 136, 5S, p. 813 1 p.

Individualised perioperative blood pressure and fluid therapy in oesophagectomy: study protocol for a randomised clinical trial
Hovgaard, H. L., Vistisen, S., Enevoldsen, J., de Paoli, F., Scheeren, T. W. L., Katballe, N., Kjaer, D. W., Linnemann, G., Jørgensen, M. R. S., Karaliunaite, Z., Jeppesen, A. N. & Juhl-Olsen, P., 24-Apr-2023, In: Danish Medical Journal. 70, 5, 10 p., A10220640.

Haemodynamic monitoring and management in patients having noncardiac surgery: A survey among members of the European Society of Anaesthesiology and Intensive Care
Flick, M., Joosten, A., Scheeren, T. W. L., Duranteau, J. & Saugel, B., 16-Jan-2023, In: European Journal of Anaesthesiology and Intensive Care. 2, 1, 9 p., e0017.

Microvascular effects of oxygen and carbon dioxide measured by vascular occlusion test in healthy volunteers
Niezen, C. K., Vos, J. J., Bos, A. F. & Scheeren, T. W. L., Jan-2023, In: Microvascular research. 145, 7 p., 104437.

Agreement of somatic and renal near-infrared spectroscopy with reference blood samples during a controlled hypoxia sequence: a healthy volunteer study
De Keijzer, I. N., Massari, D., Niezen, C. K., Bokkers, R. P. H., Vos, J. J. & Scheeren, T. W. L., 2023, In: Journal of Clinical Monitoring and Computing. 37, p. 805–814 10 p.

Predicting early perioperative stroke after cardiothoracic surgery through assessment of intraoperative regional cerebral oxygenation in affected versus non-affected hemispheres using near-infrared spectroscopy
Pierik, R., Scheeren, T. W. L., Erasmus, M. E. & van den Bergh, W. M., 2023.

Pharmacological inhibition of protein tyrosine kinases axl and fyn reduces TNF-α-induced endothelial inflammatory activation in vitro
Ellermann, S. F., Jongman, R. M., Luxen, M., Kuiper, T., Plantinga, J., Moser, J., Scheeren, T. W. L., Theilmeier, G., Molema, G. & Van Meurs, M., 1-Dec-2022, In: Frontiers in Pharmacology. 13, 13 p., 992262.

Effective hemodynamic monitoring
Pinsky, M. R., Cecconi, M., Chew, M. S., De Backer, D., Douglas, I., Edwards, M., Hamzaoui, O., Hernandez, G., Martin, G., Monnet, X., Saugel, B., Scheeren, T. W. L., Teboul, J. L. & Vincent, J. L., Dec-2022, In: Critical care. 26, 1, 294.

Near-infrared spectroscopy monitoring during endovascular treatment for acute ischaemic stroke
Collette, S. L., Venema, A. M., Eleveld, N., Absalom, A. R., Scheeren, T. W. L., Verhoeve, S., de Groot, J. C., Elting, J. W. J., Uyttenboogaart, M., Bokkers, R. P. H. & Sahinovic, M. M., Dec-2022, In: European Stroke Journal. 7, 4, p. 384-392 9 p.

Response to comments
de Waal, E. E. C., Frank, M., Scheeren, T. W. L., Kaufmann, T., de Korte-de Boer, D., Cox, B., van Kuijk, S. M. J., Montenij, L. M. & Buhre, W., Nov-2022, In: Journal of clinical anesthesia. 82, 3 p., 110922.

Comparison of Machine Learning Models Including Preoperative, Intraoperative, and Postoperative Data and Mortality After Cardiac Surgery
Castela Forte, J., Yeshmagambetova, G., van der Grinten, M. L., Scheeren, T. W. L., Nijsten, M. W. N., Mariani, M. A., Henning, R. H. & Epema, A. H., 3-Oct-2022, In: Jama network open. 5, 10, 14 p., e2237970.

'If you don't take a temperature, you can't find a fever': relevance to continuous arterial pressure monitoring
van Lier, F., Bouwman, R. A. & Scheeren, T. W. L., Oct-2022, In: British Journal of Anaesthesia. 129, 4, p. 464-468 5 p.

Mild hypothermia during cardiopulmonary bypass assisted CABG is associated with improved short- and long-term survival, a 18- year cohort study
Hendriks, K. D. W., Castela Forte, J. N., Kok, W. F., Mungroop, H. E., Bouma, H. R., Scheeren, T. W. L., Mariani, M., Henning, R. H. & Epema, A. H., Aug-2022, In: PLoS ONE. 17, 8, 14 p., e0273370.

The use of a vascular occlusion test combined with near-infrared spectroscopy in perioperative care: a systematic review
Niezen, C. K., Massari, D., Vos, J. J. & Scheeren, T. W. L., Aug-2022, In: Journal of Clinical Monitoring and Computing. 36 , p. 933–946 14 p.

Microcirculatory tissue perfusion during general anaesthesia and noncardiac surgery: An observational study using incident dark field imaging with automated video analysis
Flick, M., Schreiber, T.-H., Montomoli, J., Krause, L., de Boer, H. D., Kouz, K., Scheeren, T. W. L., Ince, C., Hilty, M. P. & Saugel, B., 1-Jul-2022, In: European Journal of Anaesthesiology. 39, 7, p. 582-590 9 p.

Comparison of renal region, cerebral and peripheral oxygenation for predicting postoperative renal impairment after CABG
de Keijzer, I. N., Poterman, M., Absalom, A. R., Vos, J. J., Mariani, M. A. & Scheeren, T. W. L., Jun-2022, In: Journal of clinical monitoring and computing. 36, p. 735–743 9 p.

Conversations with the Editors: Artificial Intelligence-Based Technologies Leading the Innovation in Surgical Care
Ravera, L., Scheeren, T. W. L., Piaggio, D. & Federici, C., Jun-2022, In: Clinical Therapeutics. 44, 6, p. 828-834 7 p.

Patient monitoring, wearable devices, and the healthcare information ecosystem
Webster, C. S., Scheeren, T. W. L. & Wan, Y. I., May-2022, In: British Journal of Anaesthesia. 128, 5, p. 756-758 3 p.

An international survey of adherence to Surviving Sepsis Campaign Guidelines 2016 regarding fluid resuscitation and vasopressors in the initial management of septic shock
Bitton, E., Zimmerman, S., Azevedo, L. C. P., Benhamou, D., Cecconi, M., De Waele, J. J., Lipman, J., Martin-Loeches, I., Pirracchio, R., Scheeren, T. W. L., Leone, M. & Einav, S., Apr-2022, In: Journal of Critical Care. 68, p. 144-154 11 p.

What is new in microcirculation and tissue oxygenation monitoring?
de Keijzer, I. N., Massari, D., Sahinovic, M., Flick, M., Vos, J. J. & Scheeren, T. W. L., Apr-2022, In: Journal of Clinical Monitoring and Computing. 36, p. 291-299 9 p.

The contemporary pulmonary artery catheter. Part 2: measurements, limitations, and clinical applications
Bootsma, I. T., Boerma, E. C., Scheeren, T. W. L. & de Lange, F., 1-Mar-2022, In: Journal of clinical monitoring and computing. 36, p. 17–31 15 p.

Early Thromboembolic Stroke Risk of Postoperative Atrial Fibrillation Following Cardiac Surgery
Pierik, R., Zeillemaker-Hoekstra, M., Scheeren, T. W. L., Erasmus, M. E., Luijckx, G.-J. R., Rienstra, M., Uyttenboogaart, M., Nijsten, M. & van den Bergh, W. M., Mar-2022, In: Journal of cardiothoracic and vascular anesthesia. 36, 3, p. 807-814 8 p.

Wireless wearables for postoperative surveillance on surgical wards: a survey of 1158 anaesthesiologists in Western Europe and the USA
Collaborators, Michard, F., Thiele, R. H., Saugel, B., Joosten, A., Flick, M. & Khanna, A. K., Mar-2022, In: BJA open. 1, 100002.

Prospective, randomized, controlled, double-blind, multi-center, multinational study on the safety and efficacy of 6% Hydroxyethyl starch (HES) sOlution versus an Electrolyte solutioN In patients undergoing eleCtive abdominal Surgery: study protocol for the PHOENICS study
Buhre, W., de Korte-de Boer, D., de Abreu, M. G., Scheeren, T., Gruenewald, M., Hoeft, A., Spahn, D. R., Zarbock, A., Daamen, S., Westphal, M., Brauer, U., Dehnhardt, T., Schmier, S., Baron, J.-F., De Hert, S., Gavranovic, Z., Cholley, B., Vymazal, T., Szczeklik, W. & Bornemann-Cimenti, H. & 4 others, Soro Domingo, M. B., Grintescu, I., Jankovic, R. & Belda, J., 22-Feb-2022, In: Trials. 23, 1, 13 p., 168.

Current practice and evolving concepts in septic shock resuscitation
Bakker, J., Kattan, E., Annane, D., Castro, R., Cecconi, M., de Backer, D., Dubin, A., Evans, L., Gong, M. N., Hamzaoui, O., Ince, C., Levy, B., Monnet, X., Ospina Tascon, G. A., Ostermann, M., Pinsky, M. R., Russell, J. A., Saugel, B., Scheeren, T. W. L. & Teboul, J.-L. & 4 others, Baron, A. V., Vincent, J.-L., Zampieri, F. G. & Hernandez, G., Feb-2022, In: Intensive Care Medicine. 48, 2, p. 148-163 16 p.

Monitoring, management, and outcome of hypotension in Intensive Care Unit patients, an international survey of the European Society of Intensive Care Medicine
Cardiovascular Dynamics Section of the ESICM, van der Ven, W. H., Schuurmans, J., Schenk, J., Roerhorst, S., Cherpanath, T. G. V., Lagrand, W. K., Thoral, P., Elbers, P. W. G., Tuinman, P. R., Scheeren, T. W. L., Bakker, J., Geerts, B. F., Veelo, D. P., Paulus, F. & Vlaar, A. P. J., Feb-2022, In: Journal of Critical Care. 67, p. 118-125 8 p.

The contemporary pulmonary artery catheter. Part 1: placement and waveform analysis
Bootsma, I. T., Boerma, E. C., de Lange, F. & Scheeren, T. W. L., Feb-2022, In: Journal of clinical monitoring and computing. 36, p. 5–15 11 p.

Transfusion practice in the bleeding critically ill: An international online survey-The TRACE-2 survey
Cardiovasc Dynamics Sect Transfus, de Bruin, S., Eggermont, D., van Bruggen, R., de Korte, D., Scheeren, T. W. L., Bakker, J. & Vlaar, A. P. J., Feb-2022, In: Transfusion. 62, 2, p. 324-335 12 p.

Existing fluid responsiveness studies using the mini-fluid challenge may be misleading: Methodological considerations and simulations
Enevoldsen, J., Scheeren, T. W. L., Berg, J. M. & Vistisen, S. T., Jan-2022, In: Acta Anaesthesiologica Scandinavica. 66, 1, p. 17-24 8 p.

Correction to: Comparison of renal region, cerebral and peripheral oxygenation for predicting postoperative renal impairment after CABG (Apr, 10.1007/s10877-021-00701-4, 2021)
de Keijzer, I. N., Poterman, M., Absalom, A. R., Vos, J. J., Mariani, M. A. & Scheeren, T. W. L., 2022, In: Journal of Clinical Monitoring and Computing. 1 p.

Do alterations in pulmonary vascular tone result in changes in central blood volumes? An experimental study: An experimental study
Vos, J. J., Wietasch, J. K. G., Hoeft, A. & Scheeren, T. W. L., 17-Dec-2021, In: Intensive Care Medicine Experimental. 9, 1 , 12 p., 59.

Cerebral monitoring in surgical ICU patients
Massari, D., de Keijzer, I. N. & Scheeren, T. W. L., Dec-2021, In: Current opinion in critical care. 27, 6, p. 701-708 8 p.

Perioperative goal-directed therapy in high-risk abdominal surgery. A multicenter randomized controlled superiority trial: A multicenter randomized controlled superiority trial
de Waal, E. E. C., Frank, M., Scheeren, T. W. L., Kaufmann, T., de Korte, D. J. D., Cox, B., van Kuijk, S. M. J., Montenij, L. M. & Buhre, W., Dec-2021, In: Journal of clinical anesthesia. 75, 9 p., 110506.

Plasma from patients undergoing coronary artery bypass graft surgery does not activate endothelial cells under shear stress in vitro
Ellermann, S. F., L Scheeren, T. W., Jongman, R. M., Nordhoff, K., Schnabel, C. L., Molema, G., Theilmeier, G. & Meurs, M. V., 12-Nov-2021, In: International journal of critical illness and injury science. 11, 3, p. 142-150 9 p.

Definition and incidence of hypotension in intensive care unit patients, an international survey of the European Society of Intensive Care Medicine
Cardiovascular Dynamics Section of the ESICM, Schenk, J., van der Ven, W. H., Schuurmans, J., Roerhorst, S., Cherpanath, T. G. V., Lagrand, W. K., Thoral, P., Elbers, P. W. G., Tuinman, P. R., Scheeren, T. W. L., Bakker, J., Geerts, B. F., Veelo, D. P., Paulus, F. & Vlaar, A. P. J., Oct-2021, In: Journal of Critical Care. 65, p. 142-148 7 p.

High Versus Normal Blood Pressure Targets in Relation to Right Ventricular Dysfunction After Cardiac Surgery: A Randomized Controlled Trial
Bootsma, I. T., de Lange, F., Scheeren, T. W. L., Jainandunsing, J. S. & Boerma, E. C., Oct-2021, In: Journal of cardiothoracic and vascular anesthesia. 35, 10, p. 2980-2990 11 p.

The effect of compliance with a perioperative goal-directed therapy protocol on outcomes after high-risk surgery: a before-after study
Boekel, M. F., Venema, C. S., Kaufmann, T., van der Horst, I. C. C., Vos, J. J. & Scheeren, T. W. L., Oct-2021, In: Journal of clinical monitoring and computing. 35, p. 1193–1202 10 p.

Perioperative Hemodynamic Monitoring: An Overview of Current Methods
de Keijzer, I. N. & Scheeren, T. W. L., Sept-2021, In: Anesthesiology clinics. 39, 3, p. 441-456 16 p.

Perioperative optimization using hemodynamically focused echocardiography in high-risk patients-A practice guide
Trauzeddel, R. F., Nordine, M., Groesdonk, H. V., Michels, G., Pfister, R., Reuter, D. A., Scheeren, T. W. L., Berger, C. & Treskatsch, S., Sept-2021, In: Anaesthesist. 70, p. 772-784 13 p.

Comparison of haemodynamic- and electroencephalographic-monitored effects evoked by four combinations of effect-site concentrations of propofol and remifentanil, yielding a predicted tolerance to laryngoscopy of 90%
van den Berg, J. P., Absalom, A. R., Venema, A. M., Kalmar, A. F., Van Amsterdam, K., Hannivoort, L. N., Proost, J. H., Meier, S., Scheeren, T. W. L., Struys, M. M. R. F. & Vereecke, H. E. M., Aug-2021, In: Journal of clinical monitoring and computing. 35, p. 815–825 11 p.

VitalDB: fostering collaboration in anaesthesia research
Vistisen, S. T., Pollard, T. J., Enevoldsen, J. & Scheeren, T. W. L., Aug-2021, In: British Journal of Anaesthesia. 127, 2, p. 184-187 5 p.

Very early creatinine changes and 30-day mortality after cardiac surgery
Bouma, H. R., Mungroop, H. E., Scheeren, T. W. L. & Epema, A. H., 1-Jun-2021, In: European Journal of Anaesthesiology. 38, 6, p. 665-665 1 p.

Efficacy and safety of ceftobiprole in patients aged 65 years or older: a post hoc analysis of three Phase III studies
Welte, T., Scheeren, T. W., Overcash, J. S., Saulay, M., Engelhardt, M. & Hamed, K., May-2021, In: Future microbiology. 16, 8, p. 543-555 13 p.

The effect of moderate intraoperative blood loss and norepinephrine therapy on sublingual microcirculatory perfusion in patients having open radical prostatectomy: An observational study
Flick, M., Briesenick, L., Peine, S., Scheeren, T. W. L., Duranteau, J. & Saugel, B., May-2021, In: European Journal of Anaesthesiology. 38, 5, p. 459-467 9 p.

Perioperative echocardiography-guided hemodynamic therapy in high-risk patients: a practical expert approach of hemodynamically focused echocardiography
Trauzeddel, R. F., Ertmer, M., Nordine, M., Groesdonk, H. V., Michels, G., Pfister, R., Reuter, D., Scheeren, T. W. L., Berger, C. & Treskatsch, S., Apr-2021, In: Journal of clinical monitoring and computing. 35, 2, p. 229–243 15 p.

Ensemble machine learning prediction and variable importance analysis of 5-year mortality after cardiac valve and CABG operations
Castela Forte, J., Mungroop, H. E., de Geus, F., van der Grinten, M. L., Bouma, H. R., Pettilä, V., Scheeren, T. W. L., Nijsten, M. W. N., Mariani, M. A., van der Horst, I. C. C., Henning, R. H., Wiering, M. A. & Epema, A. H., 10-Feb-2021, In: Scientific Reports. 11, 1, 11 p., 3467.

Metrology part 1: definition of quality criteria
Squara, P., Scheeren, T. W. L., Aya, H. D., Bakker, J., Cecconi, M., Einav, S., Malbrain, M. L. N. G., Monnet, X., Reuter, D. A., van der Horst, I. C. C. & Saugel, B., Feb-2021, In: Journal of clinical monitoring and computing. 35, p. 17–25 9 p.

Metrology part 2: Procedures for the validation of major measurement quality criteria and measuring instrument properties
Squara, P., Scheeren, T. W. L., Aya, H. D., Bakker, J., Cecconi, M., Einav, S., Malbrain, M. L. N. G., Monnet, X., Reuter, D. A., van der Horst, I. C. C. & Saugel, B., Feb-2021, In: Journal of clinical monitoring and computing. 35, p. 27–37 11 p.

To a new chapter
Scheeren, T. W. L., Feb-2021, In: Journal of clinical monitoring and computing. 35, 1, p. 1-2 2 p.

Current use of inotropes in circulatory shock
Scheeren, T. W. L., Bakker, J., Kaufmann, T., Annane, D., Asfar, P., Boerma, E. C., Cecconi, M., Chew, M. S., Cholley, B., Cronhjort, M., De Backer, D., Dubin, A., Duenser, M. W., Duranteau, J., Gordon, A. C., Hajjar, L. A., Hamzaoui, O., Hernandez, G., Kanoore Edul, V. & Koster, G. & 23 others, Landoni, G., Leone, M., Levy, B., Martin, C., Mebazaa, A., Monnet, X., Morelli, A., Payen, D., Pearse, R. M., Pinsky, M. R., Radermacher, P., Reuter, D. A., Sakr, Y., Sander, M., Saugel, B., Singer, M., Squara, P., Vieillard-Baron, A., Vignon, P., Vincent, J.-L., van der Horst, I. C. C., Vistisen, S. T. & Teboul, J.-L., 29-Jan-2021, In: Annals of Intensive Care. 11, 1, 13 p., 21.

Dobutamine-sparing versus dobutamine-to-all strategy in cardiac surgery: a randomized noninferiority trial
Franco, R. A., de Almeida, J. P., Landoni, G., Scheeren, T. W. L., Galas, F. R. B. G., Fukushima, J. T., Zefferino, S., Nardelli, P., de Albuquerque Piccioni, M., Arita, E. C. T. C., Park, C. H. L., Cunha, L. C. C., de Oliveira, G. Q., Costa, I. B. S. D. S., Kalil Filho, R., Jatene, F. B. & Hajjar, L. A., 26-Jan-2021, In: Annals of Intensive Care. 11, 1, 9 p., 15.

Cardiac output estimation using pulse wave analysis-physiology, algorithms, and technologies: a narrative review
Saugel, B., Kouz, K., Scheeren, T. W. L., Greiwe, G., Hoppe, P., Romagnoli, S. & de Backer, D., Jan-2021, In: British Journal of Anaesthesia. 126, 1, p. 67-76 10 p.

Pulse Wave Analysis to Estimate Cardiac Output
Kouz, K., Scheeren, T. W. L., de Backer, D. & Saugel, B., Jan-2021, In: Anesthesiology. 134, 1, p. 119-126 8 p.

Artificial Intelligence and Predictive Analytics
de Keijzer, I. N., Vistisen, S. T. & Thomas, W. L. S., 2021, *Advanced Hemodynamic Monitoring: Basics and New Horizons.* Springer International Publishing AG, p. 287-293 7 p.

Der Pulmonaliskatheter
Scheeren, T., 2021, *Referenz Anästhesie.* Zacharowski, K. & Marx, G. (eds.). 1 ed. Stuttgart: GEORG THIEME VERLAG KG

Minimal-invasive hämodynamische Monitoringverfahren
Scheeren, T., 2021, *Referenz Anästhesie.* Zacharowski, K. & Marx, G. (eds.). 1 ed. Stuttgart: GEORG THIEME VERLAG KG

Nichtinvasive hämodynamische Monitoringverfahren
Scheeren, T., 2021, *Referenz Anästhesie.* Zacharowski, K. & Marx, G. (eds.). 1 ed. Stuttgart: GEORG THIEME VERLAG KG

Transpulmonale Thermodilution
Scheeren, T., 2021, *Referenz Anästhesie.* Zacharowski , K. & Marx, G. (eds.). 1 ed. Stuttgart: GEORG THIEME VERLAG KG

Application of rotational thromboelastometry to assess hypercoagulability in COVID-19 patients
van Veenendaal, N., Scheeren, T., Meijer, K. & van der Voort, P., Dec-2020.

Hypotension Prediction Index: from proof-of-concept to proof-of-feasibility
de Keijzer, I. N., Vos, J. J. & Scheeren, T. W. L., Dec-2020, In: Journal of clinical monitoring and computing. 34, 6, p. 1135-1138 4 p.

Rotational thromboelastometry and thromoboembolic complications in COVID-19 patients
van Veenendaal, N., Scheeren, T., Meijer, K. & van der Voort, P., Dec-2020.

Rotational thromboelastometry to assess hypercoagulability in COVID-19 patients
van Veenendaal, N., Scheeren, T. W. L., Meijer, K. & van der Voort, P. H. J., Dec-2020, In: Thrombosis Research. 196, p. 379-381 3 p.

Serum leptin is associated with hypercoagulation measured by thromboelastrometry (ROTEM) in COVID-19 disease
van Veenendaal, N., Scheeren, T., Meijer, K. & van der Voort, P., Dec-2020.

Transfusion practice in the bleeding critically ill: an international online survey – The TRACE-2 Survey
de Bruin, S., Eggermont, D., Scheeren, T., Bakker, J., de Korte, D., van Bruggen, R. & Vlaar, A. P. J., Dec-2020.

Microvascular effects of hypoxia, hyperoxia, hypocapnia and hypercapnia measured by vascular occlusion test in healthy volunteers: a post-hoc analysis
Niezen, C., Vos, J. J., Bos, A. & Scheeren, T., Nov-2020, In: European Journal of Anaesthesiology. 37, e-Supplement 58

Improved haemodynamic stability and cerebral tissue oxygenation after induction of anaesthesia with sufentanil compared to remifentanil: a randomised controlled trial
Poterman, M., Kalmar, A. F., Buisman, P. L., Struys, M. M. R. F. & Scheeren, T. W. L., 7-Oct-2020, In: BMC Anesthesiology. 20, 1, 12 p., 258.

Monitoring of the Sublingual Microcirculation During Cardiac Surgery: Current Knowledge and Future Directions
Flick, M., Duranteau, J., Scheeren, T. W. L. & Saugel, B., Oct-2020, In: Journal of cardiothoracic and vascular anesthesia. 34, 10, p. 2754-2765 12 p.

Cerebral oxygenation during pediatric congenital cardiac surgery and its association with outcome: a retrospective observational study
Modestini, M., Hoffmann, L., Niezen, C., Armocida, B., Vos, J. J. & Scheeren, T. W. L., 1-Sept-2020, In: Canadian journal of anesthesia-Journal canadien d anesthesie. 67, 9, p. 1170-1181 12 p.

Risk and prognosis of COVID-19 in patients treated with renin - angiotensin - aldosterone inhibitors
Vistisen, S. T., Bodilsen, J., Scheeren, T. W. L. & Simonsen, U., Sept-2020, In: European Journal of Anaesthesiology. 37, 9, p. 739-742 4 p.

A glimpse into the future of postoperative arterial blood pressure monitoring
Michard, F., Scheeren, T. W. L. & Saugel, B., Aug-2020, In: British Journal of Anaesthesia. 125, 2, p. 113-115 3 p.

The Reduction in Right Ventricular Longitudinal Contraction Parameters Is Not Accompanied by a Reduction in General Right Ventricular Performance During Aortic Valve Replacement: An Explorative Study
Bootsma, I. T., Scheeren, T. W. L., de Lange, F., Jainandunsing, J. S. & Boerma, E. C., Aug-2020, In: Journal of cardiothoracic and vascular anesthesia. 34, 8, p. 2140-2147 8 p.

Continuous noninvasive pulse wave analysis using finger cuff technologies for arterial blood pressure and cardiac output monitoring in perioperative and intensive care medicine: a systematic review and meta-analysis
Saugel, B., Hoppe, P., Nicklas, J. Y., Kouz, K., Körner, A., Hempel, J. C., Vos, J. J., Schön, G. & Scheeren, T. W. L., Jul-2020, In: British Journal of Anaesthesia. 125, 1, p. 25-37 13 p.

Journal of Clinical Monitoring and Computing 2019 end of year summary: monitoring tissue oxygenation and perfusion and its autoregulation
Sahinovic, M. M., Vos, J. J. & Scheeren, T. W. L., Jun-2020, In: Journal of clinical monitoring and computing. 34, 3, p. 389-395 7 p.

Non-invasive oscillometric versus invasive arterial blood pressure measurements in critically ill patients: A post hoc analysis of a prospective observational study
SICS Study Group, Kaufmann, T., Cox, E. G. M., Wiersema, R., Hiemstra, B., Eck, R. J., Koster, G., Scheeren, T. W. L., Keus, F., Saugel, B. & van der Horst, I. C. C., Jun-2020, In: Journal of Critical Care. 57, p. 118-123 6 p.

This is your toolkit in hemodynamic monitoring
Kaufmann, T., van der Horst, I. C. C. & Scheeren, T. W. L., Jun-2020, In: Current opinion in critical care. 26, 3, p. 303-312 10 p.

Journal of Clinical Monitoring and Computing end of year summary 2019: hemodynamic monitoring and management
Saugel, B., Critchley, L. A. H., Kaufmann, T., Flick, M., Kouz, K., Vistisen, S. T. & Scheeren, T. W. L., Apr-2020, In: Journal of clinical monitoring and computing. 34, 2, p. 207-219 13 p.

Low serum albumin levels and new-onset atrial fibrillation in the ICU: A prospective cohort study
van Beek, D. E. C., Kuijpers, Y. A. M., Königs, M. H. H., van der Horst, I. C. C. & Scheeren, T. W. L., Apr-2020, In: Journal of Critical Care. 56, p. 26-30 5 p.

The response of a standardized fluid challenge during cardiac surgery on cerebral oxygen saturation measured with near-infrared spectroscopy
Holmgaard, F., Vistisen, S. T., Ravn, H. B. & Scheeren, T. W. L., Apr-2020, In: Journal of clinical monitoring and computing. 34, 2, p. 245-251 7 p.

Distribution of Cardioembolic Stroke: A Cohort Study
on behalf of the Parelsnoer Institute-Cerebrovascular Accident Study Group, Pierik, R., Algra, A., van Dijk, E., Erasmus, M. E., van Gelder, I. C., Koudstaal, P. J., Luijckx, G.-J. R., Nederkoorn, P. J., van Oostenbrugge, R. J., Ruigrok, Y. M., Scheeren, T. W. L., Uyttenboogaart, M., Visser, M. C., Wermer, M. J. H. & van den Bergh, W. M., Mar-2020, In: Cerebrovascular Diseases. 49, 1, p. 97-104 8 p.

Textbook of Echocardiography for Intensivists and Emergency Physicians, 2nd ed
Scheeren, T. W. L. & Kaufmann, T., 1-Feb-2020, In: Anesthesia and Analgesia. 130, 2, p. e40 1 p.

Ability of an Arterial Waveform Analysis-Derived Hypotension Prediction Index to Predict Future Hypotensive Events in Surgical Patients
Davies, S. J., Vistisen, S. T., Jian, Z., Hatib, F. & Scheeren, T. W. L., Feb-2020, In: Anesthesia and Analgesia. 130, 2, p. 352-359 8 p.

Feasibility of cardiac output measurements in critically ill patients by medical students
Koster, G., Kaufmann, T., Hiemstra, B., Wiersema, R., Vos, M. E., Dijkhuizen, D., Wong, A., Scheeren, T. W. L., Hummel, Y. M., Keus, F. & van der Horst, I. C. C., 8-Jan-2020, In: The Ultrasound Journal. 12, 1, p. 1 9 p., 1.

Hypotension prediction models: Past, present, and future
Scheeren, T. & Vos, J. J., 2020, *Textbook of Hemodynamic Monitoring and Therapy in the Critically Ill.* Kulkarni, A. P., Kothekar, A. T. & Divatia, J. V. (eds.). 1 ed. New Delhi, London: Jaypee Brothers Medical Publishers, p. 255-263 8 p.

Troponin Elevations after Cardiac Surgery: Just "Troponitis"?
van Beek, D. E. C., van der Horst, I. C. C. & Scheeren, T., 2020, *Annual Update in Intensive Care and Emergency Medicine 2020.* Vincent, J.-L. (ed.). 1 ed. Springer International Publishing, Cham, Switzerland, p. 113-124 12 p. (Annual Update in Intensive Care and Emergency Medicine).

Predicting vital sign deterioration with artificial intelligence or machine learning
Vistisen, S. T., Johnson, A. E. W. & Scheeren, T. W. L., Dec-2019, In: Journal of clinical monitoring and computing. 33, 6, p. 949-951 3 p.

International point prevalence study of Intensive Care Unit transfusion practices-Pilot study in the Netherlands
ESICM, de Bruin, S., Alders, M. Y., van Bruggen, R., de Korte, D., Scheeren, T. W. L., Bakker, J., Aubron, C., Feldheiser, A., Meieri, J., Cecconi, M. & Vlaar, A. P. J., Nov-2019, In: Transfusion clinique et biologique. 26, 4, p. 202-208 7 p.

Intraoperative hypotension and its prediction
Vos, J. J. & Scheeren, T. W. L., Nov-2019, In: Indian journal of anaesthesia. 63, 11, p. 877-885 9 p., 31772395.

Clinical Examination for the Prediction of Mortality in the Critically Ill: The Simple Intensive Care Studies-I
SICS Study Grp, Hiemstra, B., Eck, R. J., Wiersema, R., Kaufmann, T., Koster, G., Scheeren, T. W. L., Snieder, H., Perner, A., Pettila, V., Wetterslev, J., Keus, F. & van der Horst, I. C. C., Oct-2019, In: Critical Care Medicine. 47, 10, p. 1301-1309 9 p.

Using extra systoles and the micro-fluid challenge to predict fluid responsiveness during cardiac surgery
Vistisen, S. T., Berg, J. M., Boekel, M. F., Modestini, M., Bergman, R., Jainandunsing, J. S., Mariani, M. A. & Scheeren, T. W. L., Oct-2019, In: Journal of clinical monitoring and computing. 33, 5, p. 777-786 10 p.

Which type of fluid to use perioperatively?
de Keijzer, I. N., Kaufmann, T. & Scheeren, T. W. L., Oct-2019, In: Journal of Emergency and Critical Care Medicine. 3, p. 51 1 p.

Transfusion practice in the non-bleeding critically ill: an international online survey-the TRACE survey
Cardiovasc Dynamics Sect, ESICM, de Bruin, S., Scheeren, T. W. L., Bakker, J., van Bruggen, R. & Vlaar, A. P. J., 11-Sept-2019, In: Critical Care. 23, 1, 8 p., 309.

Incidence of Massive Transfusion and Overall Transfusion Requirements During Lung Transplantation Over a 25-Year Period
Cernak, V., Oude Lansink-Hartgring, A., van den Heuvel, E. R., Verschuuren, E. A. M., van der Bij, W., Scheeren, T. W. L. , Engels, G. E., de Geus, A. F., Erasmus, M. E. & de Vries, A. J., Sept-2019, In: Journal of cardiothoracic and vascular anesthesia. 33, 9, p. 2478-2486 9 p.

Dislodged Tip of Damaged Central Venous Catheter After Radiofrequent Cox-Maze IV Procedure: An aMAZING Finding
de Rooij, M. H., Brommundt, J. S., Peeters, G., Klinkenberg, T. J. & Scheeren, T. W. L., Aug-2019, In: Journal of cardiothoracic and vascular anesthesia. 33, 8, p. 2363-2365 3 p.

New Developments in Hemodynamic Monitoring
Scheeren, T. W. L. & Ramsay, M. A. E., Aug-2019, In: Journal of cardiothoracic and vascular anesthesia. 33, p. S67-S72 6 p.

Oxygen Reserve Index: Validation of a New Variable
Vos, J. J., Willems, C. H., van Amsterdam, K., van den Berg, J. P., Spanjersberg, R., Struys, M. M. R. F. & Scheeren, T. W. L., Aug-2019, In: Anesthesia and Analgesia. 129, 2, p. 409-415 7 p.

The '5 Ts' of perioperative goal-directed haemodynamic therapy
Saugel, B., Kouz, K. & Scheeren, T. W. L., Aug-2019, In: British Journal of Anaesthesia. 123, 2, p. 103-107 6 p.

Propofol improves colonic but impairs hepatic mitochondrial function in tissue homogenates from healthy rats
Herminghaus, A., Buitenhuis, A. J., Schulz, J., Vollmer, C., Scheeren, T. W. L., Bauer, I., Picker, O. & Truse, R., 15-Jun-2019, In: European Journal of Pharmacology. 853, p. 364-370 7 p.

Perioperative goal-directed therapy: what's the best study design to investigate its impact on patient outcome?
Saugel, B., Joosten, A. & Scheeren, T. W. L., Jun-2019, In: Journal of clinical monitoring and computing. 33, 3, p. 361-363 3 p.

Perioperative goal-directed therapy - What is the evidence?
Kaufmann, T., Saugel, B. & Scheeren, T. W. L., Jun-2019, In: Best practice & research. Clinical anaesthesiology. 33, 2, p. 179-187 9 p.

Predicting hypotension in perioperative and intensive care medicine
Saugel, B., Kouz, K., Hoppe, P., Maheshwari, K. & Scheeren, T. W. L., Jun-2019, In: Best practice & research. Clinical anaesthesiology. 33, 2, p. 189-197 9 p.

Preface on advances in hemodynamic monitoring in perioperative medicine
Scheeren, T. W. L. & Saugel, B., Jun-2019, In: Best practice & research. Clinical anaesthesiology. 33, 2, p. 125-126 2 p.

Disagreement in cardiac output measurements between fourth-generation FloTrac and critical care ultrasonography in patients with circulatory shock: a prospective observational study
SICS Study Grp, Kaufmann, T., Clement, R. P., Hiemstra, B., Vos, J. J., Scheeren, T. W. L., Keus, F., van der Horst, I. C. C., Koster, G., Keus, F. & van der Horst, I. C. C., 11-Apr-2019, In: Journal of Intensive Care. 7, 8 p., 21.

Dopamine in critically ill patients with cardiac dysfunction: A systematic review with meta-analysis and trial sequential analysis
Hiemstra, B., Koster, G., Wetterslev, J., Gluud, C., Jakobsen, J. C., Scheeren, T. W. L., Keus, F. & van der Horst, I. C. C., Apr-2019, In: Acta Anaesthesiologica Scandinavica. 63, 4, p. 424-437 14 p.

Journal of Clinical Monitoring and Computing 2017/2018 end of year summary: monitoringand provocationof the microcirculation and tissue oxygenation
Vos, J. J., Ellermann, S. F. & Scheeren, T. W. L., Apr-2019, In: Journal of clinical monitoring and computing. 33, 2, p. 201-209 9 p.

Journal of clinical monitoring and computing end of year summary 2018: hemodynamic monitoring and management
Saugel, B., Flick, M., Bendjelid, K., Critchley, L. A. H., Vistisen, S. T. & Scheeren, T. W. L., Apr-2019, In: Journal of clinical monitoring and computing. 33, 2, p. 211-222 12 p.

The haemodynamic instability score Development and internal validation of a new rating method of intra-operative haemodynamic instability: Development and internal validation of a new rating method of intra-operative haemodynamic instability
Buitenwerf, E., Boekel, M. F., van der Velde, M. I., Voogd, M. F., Kerstens, M. N., Wietasch, G. J. K. G. & Scheeren, T. W. L., Apr-2019, In: European Journal of Anaesthesiology. 36, 4, p. 290-296 7 p.

Early improvement in severely ill patients with pneumonia treated with ceftobiprole: a retrospective analysis of two major trials
Scheeren, T. W. L., Welte, T., Saulay, M., Engelhardt, M., Santerre-Henriksen, A. & Hamed, K., 26-Feb-2019, In: BMC Infectious Diseases. 19, 12 p., 195.

Electroencephalography and Brain Oxygenation Monitoring in the Perioperative Period
Scheeren, T. W. L., Kuizenga, M. H., Maurer, H., Struys, M. M. R. F. & Heringlake, M., Feb-2019, In: Anesthesia and Analgesia. 128, 2, p. 265-277 13 p.

The diagnostic accuracy of clinical examination for estimating cardiac index in critically ill patients: the Simple Intensive Care Studies-I
SICS Study Grp, Hiemstra, B., Koster, G., Wiersema, R., Hummel, Y. M., van der Harst, P., Snieder, H., Eck, R. J., Kaufmann, T., Scheeren, T. W. L., Perner, A., Wetterslev, J., de Smet, A. M. G. A., Keus, F. & van der Horst, I. C. C., Feb-2019, In: Intensive Care Medicine. 45, 2, p. 190-200 11 p.

Current use of vasopressors in septic shock
Scheeren, T. W. L., Bakker, J., De Backer, D., Annane, D., Asfar, P., Boerma, E. C., Cecconi, M., Duebin, A., Dunser, M. W., Duranteau, J., Gordon, A. C., Hamzaoui, O., Hernandez, G., Leone, M., Levy, B., Martin, C., Mebazaa, A., Monnet, X., Morelli, A. & Payen, D. & 14 others, Pearse, R., Pinsky, M. R., Radermacher, P., Reuter, D., Saugel, B., Sakr, Y., Singer, M., Squara, P., Vieillard-Baron, A., Vignon, P., Vistisen, S. T., van der Horst, I. C. C., Vincent, J.-L. & Teboul, J.-L., 30-Jan-2019, In: Annals of Intensive Care. 9, 12 p., 20.

Distribution of perioperative stroke in cardiac surgery
Pierik, R., Uyttenboogaart, M., Erasmus, M. E., Scheeren, T. W. L. & van den Bergh, W. M., Jan-2019, In: European Journal of Neurology. 26, 1, p. 184-190 7 p.

Arterial blood pressure
Saugel, B., Scheeren, T. W. L. & Teboul, J. L., 2019, *Hemodynamic Monitoring.* Pinsky, M. R., Teboul, J.-L. & Vincent, J.-L. (eds.). Springer Nature, p. 233-245 13 p. (Lessons from the ICU).

Basic and Advanced Hemodynamic Monitoring in Cardiogenic Shock
Scheeren, T., Sen, S. & van der Horst, I. C. C., 2019, *Workbook on Hemodynamic Management.* Sameer, J. (ed.). 1 ed. New Delhi, London, Panama: Jaypee Brothers Medical Publishers, p. 39-44 5 p.

Impaired right ventricular ejection fraction after cardiac surgery is associated with a complicated ICU stay
Bootsma, I. T., Scheeren, T. W. L., de Lange, F., Haenen, J., Boonstra, P. W. & Boerma, E. C., 27-Dec-2018, In: Journal of Intensive Care. 6, 10 p., 85.

Phenylephrine increases cardiac output by raising cardiac preload in patients with anesthesia induced hypotension
Kalmar, A. F., Allaert, S., Pletinckx, P., Maes, J.-W., Heerman, J., Vos, J. J., Struys, M. M. R. F. & Scheeren, T. W. L., Dec-2018, In: Journal of clinical monitoring and computing. 32, 6, p. 969-976 8 p.

Perioperative goal-directed therapy: A systematic review without meta-analysis
Kaufmann, T., Clement, R. P., Scheeren, T. W. L., Saugel, B., Keus, F. & van der Horst, I. C. C., Nov-2018, In: Acta Anaesthesiologica Scandinavica. 62, 10, p. 1340-1355 16 p.

Albumin, a marker for post-operative myocardial damage in cardiac surgery
van Beek, D. E. C., van der Horst, I. C. C., de Geus, A. F., Mariani, M. A. & Scheeren, T. W. L., Oct-2018, In: Journal of Critical Care. 47, p. 55-60 6 p.

Predictive value of serum albumin levels on noradrenaline and fluid requirements in the first 24 h after admission to the Intensive Care Unit - A prospective observational study
van Beek, D. E. C., Königs, M. H. H., Kuijpers, Y. A. M., van der Horst, I. C. C. & Scheeren, T. W. L., Oct-2018, In: Journal of Critical Care. 47, p. 99-103 5 p.

The potential power and hidden hazards of Trial Sequential Analysis regarding viscoelastic blood tests in cardiac surgery. Comment on Br J Anaesth 2017; 118: 823-833
Vogels, M. F., Struys, M. M. R. F. & Scheeren, T. W. L., Oct-2018, In: British Journal of Anaesthesia. 121, 4, p. 977-978 2 p.

Extrasystoles for fluid responsiveness prediction in critically ill patients
Vistisen, S. T., Krog, M. B., Elkmann, T., Vallentin, M. F., Scheeren, T. W. L. & Sølling, C., 22-Aug-2018, In: Journal of Intensive Care. 6, 52, 8 p., 52.

Acute Kidney Injury Classification Underestimates Long-Term Mortality After Cardiac Valve Operations
Bouma, H. R., Mungroop, H. E., de Geus, A. F., Huisman, D. D., Nijsten, M. W. N., Mariani, M. A., Scheeren, T. W. L., Burgerhof, J. G. M., Henning, R. H. & Epema, A. H., Jul-2018, In: Annals of thoracic surgery. 106, 1, p. 92-98 7 p.

Correction to: The oxygen reserve index (ORI): a new tool to monitor oxygen therapy (vol 32, pg 379, 2018)
Scheeren, T. W. L., Belda, F. J. & Perel, A., Jun-2018, In: Journal of clinical monitoring and computing. 32, 3, p. 579-580 2 p.

Effects of Intraoperative Fluid Management on Postoperative Outcomes: A Hospital Registry Study
Shin, C. H., Long, D. R., McLean, D., Grabitz, S. D., Ladha, K., Timm, F. P., Thevathasan, T., Pieretti, A., Ferrone, C., Hoeft, A., Scheeren, T. W. L., Thompson, B. T., Kurth, T. & Eikermann, M., Jun-2018, In: Annals of Surgery. 267, 6, p. 1084-1092 9 p.

Goal-directed therapy: hit early and personalize!
Saugel, B., Michard, F. & Scheeren, T. W. L., Jun-2018, In: Journal of clinical monitoring and computing. 32, 3, p. 375-377 3 p.

Is there still a place for the Swan-Ganz catheter? No
Teboul, J.-L., Cecconi, M. & Scheeren, T. W. L., Jun-2018, In: Intensive Care Medicine. 44, 6, p. 957–959 3 p.

Prognostic value of intraoperative measurements of renal tissue oxygenation and microcirculation on renal function in partial nephrectomy
Maruschke, M., Hagel, K., Hakenberg, O. & Scheeren, T., Jun-2018, In: Clinical and experimental nephrology. 22, 3, p. 735-742 8 p.

The oxygen reserve index (ORI): a new tool to monitor oxygen therapy
Scheeren, T. W. L., Belda, F. J. & Perel, A., Jun-2018, In: Journal of clinical monitoring and computing. 32, 3, p. 379-389 11 p.

Understanding the carbon dioxide gaps
Scheeren, T. W. L., Wicke, J. N. & Teboul, J.-L., Jun-2018, In: Current opinion in critical care. 24, 3, p. 181-189 9 p.

Challenge of the Mini-fluid Challenge: Filling Twice without Creating a Self-fulfilling Prophecy Design
Vistisen, S. T. & Scheeren, T. W. L., May-2018, In: Anesthesiology. 128, 5, p. 1043-1044 2 p.

Journal of Clinical Monitoring and Computing 2017 end of year summary: cardiovascular and hemodynamic monitoring
Saugel, B., Bendjelid, K., Critchley, L. A. H. & Scheeren, T. W. L., Apr-2018, In: Journal of clinical monitoring and computing. 32, 2, p. 189-196 8 p.

Erratum: EMA recommendation to suspend HES is hazardous (vol 391, pg 736, 2018)
Annane, D., Fuchs-Buder, T., Zoellner, C., Kaukonen, M. & Scheeren, T. W. L., 10-Mar-2018, In: The Lancet. 391, 10124, p. E8-E8 1 p.

Second consensus on the assessment of sublingual microcirculation in critically ill patients: results from a task force of the European Society of Intensive Care Medicine
Ince, C., Boerma, E. C., Cecconi, M., De Backer, D., Shapiro, N. I., Duranteau, J., Pinsky, M. R., Artigas, A., Teboul, J.-L., Reiss, I. K. M., Aldecoa, C., Hutchings, S. D., Donati, A., Maggiorini, M., Taccone, F. S., Hernandez, G., Payen, D., Tibboel, D., Martin, D. S. & Zarbock, A. & 6 others, Monnet, X., Dubin, A., Bakker, J., Vincent, J.-L., Scheeren, T. W. L. & Cardiovascular Dynamics Section of the ESICM, Mar-2018, In: Intensive Care Medicine. 44, 3, p. 281-299 19 p.

Targeting skeletal muscle tissue oxygenation (StO(2)) in adults with severe sepsis and septic shock: a randomised controlled trial (OTO-StS Study)
Nardi, O., Zavala, E., Martin, C., Nanas, S., Scheeren, T., Polito, A., Borrat, X. & Annane, D., Mar-2018, In: BMJ Open. 8, 3, 10 p., e017581.

EMA recommendation to suspend HES is hazardous
Annane, D., Fuchs-Buder, T., Zoellner, C., Kaukonen, M. & Scheeren, T. W. L., 24-Feb-2018, In: The Lancet. 391, 10122, p. 736-738 3 p.

Saline studies: How (not) to put nails in the coffin
Scheeren, T. W. L. & Luhker, O. C., Feb-2018, In: British Journal of Anaesthesia. 120, 2, p. 203-205 4 p.

The effect of fluid resuscitation on the effective circulating volume in patients undergoing liver surgery: a post-hoc analysis of a randomized controlled trial
Vos, J. J., Kalmar, A. F., Hendriks, H. G. D., Bakker, J. & Scheeren, T. W. L., Feb-2018, In: Journal of clinical monitoring and computing. 32, 1, p. 73-80 8 p.

Ultrasound-guided central venous catheter placement: first things first
Saugel, B., Schulte-Uentrop, L., Scheeren, T. W. L. & Teboul, J.-L., 29-Dec-2017, In: Critical care (London, England). 21, 1, 2 p., 331.

Continuous non-invasive haemodynamic monitoring: a beneficial impact on patient outcome is needed to gain 'confidence in the technology'
Saugel, B. & Scheeren, T. W. L., Nov-2017, In: European Journal of Anaesthesiology. 34, 11, p. 713-715 3 p.

Influence of Bayesian optimization on the performance of propofol target-controlled infusion
van den Berg, J. P., Eleveld, D. J., De Smet, T., van den Heerik, A. V. M., van Amsterdam, K., Lichtenbelt, B. J., Scheeren, T. W. L., Absalom, A. R. & Struys, M. M. R. F., Nov-2017, In: British Journal of Anaesthesia. 119, 5, p. 918-927 10 p.

Prophylactic atropine administration attenuates the negative haemodynamic effects of induction of anaesthesia with propofol and high-dose remifentanil A randomised controlled trial: A randomised controlled trial
Poterman, M., Scheeren, T. W. L., van der Velde, M. I., Buisman, P. L., Allaert, S., Struys, M. M. R. F. & Kalmar, A. F., Oct-2017, In: European Journal of Anaesthesiology. 34, 10, p. 695-701 7 p.

Ultrasound-guided central venous catheter placement: a structured review and recommendations for clinical practice
Saugel, B., Scheeren, T. W. L. & Teboul, J.-L., 28-Aug-2017, In: Critical care (London, England). 21, 1, 11 p., 225.

Digging into the microcirculation: the rush for gold may excavate apples and oranges
Boerma, E. C. & Scheeren, T. W. L., Aug-2017, In: Journal of clinical monitoring and computing. 31, 4, p. 665-667 3 p.

Minimally invasive cardiac output technologies in the ICU: putting it all together
Clement, R. P., Vos, J. J. & Scheeren, T. W. L., Aug-2017, In: Current opinion in critical care. 23, 4, p. 302-309 8 p.

More hemodynamic monitoring for personalized treatment in circulatory failure
van der Horst, I. C. C. & Scheeren, T. W. L., Aug-2017, In: Current opinion in critical care. 23, 4, p. 291-292 2 p.

Norepinephrine in septic shock: when and how much?
Hamzaoui, O., Scheeren, T. W. L. & Teboul, J.-L., Aug-2017, In: Current opinion in critical care. 23, 4, p. 342-347 6 p.

Methodology in systematic reviews of goal-directed therapy: improving but not perfect
Vistisen, S. T., Keus, E. & Scheeren, T. W. L., Jul-2017, In: British Journal of Anaesthesia. 119, 1, p. 18-21 4 p.

Erratum to: Journal of Clinical Monitoring and Computing 2016 end of year summary: cardiovascular and hemodynamic monitoring (vol 31, pg 5, 2017)
Saugel, B., Bendjelid, K., Critchley, L. A., Rex, S. & Scheeren, T. W. L., Jun-2017, In: Journal of clinical monitoring and computing. 31, 3, p. 655-655 1 p.

Intracardiac Mass of Unknown Origin
Jainandunsing, J. S., Jeganathan, J., Scheeren, T. W. L., Khamooshian, A., Natour, E. & Mahmood, F., Jun-2017, In: Journal of cardiothoracic and vascular anesthesia. 31, 3, p. 1145-1147 3 p.

Can Passive Leg Raising Be Considered the Gold Standard in Predicting Fluid Responsiveness?
Vistisen, S. T., Enevoldsen, J. & Scheeren, T. W. L., 15-Apr-2017, In: American Journal of Respiratory and Critical Care Medicine. 195, 8, p. 1075-1076 2 p.

Cardiovascular drugs in anaesthetic practice
Schwarte, L. A., Loer, S. A., Wietasch, J. & Scheeren, T., Apr-2017, *Oxford Textbook of Anaesthesia* . Oxford University Press

Journal of clinical monitoring and computing 2016 end of year summary: monitoring cerebral oxygenation and autoregulation
Scheeren, T. W. L. & Saugel, B., Apr-2017, In: Journal of clinical monitoring and computing. 31, 2, p. 241-246 6 p.

Neuronal damage biomarkers in the identification of patients at risk of long-term postoperative cognitive dysfunction after cardiac surgery
Kok, W. F., Koerts, J., Tucha, O., Scheeren, T. W. L. & Absalom, A. R., Mar-2017, In: Anaesthesia. 72, 3, p. 359-369 11 p.

Journal of Clinical Monitoring and Computing 2016 end of year summary: cardiovascular and hemodynamic monitoring
Saugel, B., Bendjelid, K., Critchley, L. A., Rex, S. & Scheeren, T. W. L., Feb-2017, In: Journal of clinical monitoring and computing. 31, 1, p. 5-17 13 p.

Now You See Me, Now You Don't
Jainandunsing, J. S., Jeganathan, J., Scheeren, T. W. L. & Natour, E., Feb-2017, In: Journal of cardiothoracic and vascular anesthesia. 31, 1, p. 229-230 2 p.

Understanding the Haldane effect
Teboul, J.-L. & Scheeren, T., Jan-2017, *Understanding the Haldane effect*. Springer Berlin Heidelberg, p. 91-93 3 p.

Cardiac output monitoring: less invasiveness, less accuracy?
Saugel, B., Wagner, J. Y. & Scheeren, T. W. L., Dec-2016, In: Journal of clinical monitoring and computing. 30, 6, p. 753-755 3 p.

The rheologic properties of red blood cells processed by 2 different types of cell savers, and its effects on microcirculatory blood flow and tissue oxygenation in vivo.
Scheeren, T., de Lange, S., Martinez, A., Hagenaars, J. A. M., Ben Ayad, N. & de Vries, H., 24-Oct-2016, p. A1050.

Advanced hemodynamic monitoring in the critically ill patient: Nice to have or need to treat?
Marx, G. & Scheeren, T. W. L., Oct-2016, In: Journal of clinical monitoring and computing. 30, 5, p. 507-508 2 p.

Less invasive hemodynamic monitoring in critically ill patients
Teboul, J.-L., Saugel, B., Cecconi, M., De Backer, D., Hofer, C. K., Monnet, X., Perel, A., Pinsky, M. R., Reuter, D. A., Rhodes, A., Squara, P., Vincent, J.-L. & Scheeren, T. W., Sept-2016, In: Intensive Care Medicine. 42, 9, p. 1350-1359 10 p.

Additional postoperative cell salvage of shed mediastinal blood in cardiac surgery does not reduce allogeneic blood transfusions: a cohort study
Vermeijden, W. J., Hagenaars, J. A., Scheeren, T. W. & Vries, de, A. J., Jul-2016, In: Perfusion. 31, 5, p. 384–390 7 p.

Oxygen Reserve Index (ORI): Validation of a new variable
Scheeren, T. W. L., Spanjersberg, R. & Struys, M. M. R. F., 28-May-2016. 1 p.

A pooled analysis of clinical cure and mortality with ceftobiprole medocaril versus comparators in staphylococcal bacteraemia in complicated skin infections, and community- and hospital-acquired pneumonia
Rello, J., Rahav, G., Scheeren, T., Saulay, M., Engelhardt, M. & Welte, T., 10-Apr-2016, p. O318.

How to "validate" newly developed cardiac output monitoring devices
Vos, J. J. & Scheeren, T. W. L., Apr-2016, In: Journal of clinical monitoring and computing. 30, 2, p. 147-148 2 p.

Journal of Clinical Monitoring and Computing 2015 end of year summary: tissue oxygenation and microcirculation
Scheeren, T. W. L., Apr-2016, In: Journal of clinical monitoring and computing. 30, 2, p. 141-146 6 p.

Journal of Clinical Monitoring and Computing 2015 end of year summary: cardiovascular and hemodynamic monitoring
Bendjelid, K., Rex, S., Scheeren, T. & Saugel, B., Apr-2016, In: Journal of clinical monitoring and computing. 30, 2, p. 129-139 11 p.

Do intravascular hypo- and hypervolaemia result in changes in central blood volumes?
Vos, J. J., Scheeren, T. W. L., Loer, S. A., Hoeft, A. & Wietasch, J. K. G., 1-Jan-2016, In: British Journal of Anaesthesia. 116, 1, p. 46-53 8 p.

NIRS-Monitoring in der Kardioanästhesie: Wie hoch ist die Evidenz?
Scheeren, T., 2016, *Symposium Intensivmedizin + Intensivpflege Bremen*. Gerlach, H., Hankeln, K., Kuckelt, W., Tonner, P. H. & Weyland, A. (eds.). Lengerich: Pabst Science Publishers, p. 140-145 6 p.

Fast cooling and fast rewarming in CPB utilizing cardiac surgery is associated with high postoperative survival: A cohort study
Kok, W. F., Bouma, H., Geus, A. F. D., Nijsten, M. W., Mariani, M., Scheeren, T., Epema, A. & Henning, R., 20-Nov-2015.

Noninvasive pulse pressure variation and stroke volume variation to predict fluid responsiveness at multiple thresholds: a prospective observational study
Vos, J. J., Poterman, M., Papineau Salm, P., Van Amsterdam, K., Struys, M. M. R. F., Scheeren, T. W. L. & Kalmar, A. F., Nov-2015, In: Canadian journal of anesthesia-Journal canadien d anesthesie. 62, 11, p. 1153-1160 8 p.

The Validity of Ea(dyn) in Spontaneously Breathing Patients
Vos, J. J., Scheeren, T. W. L. & Kalmar, A. F., Nov-2015, In: Anesthesia and Analgesia. 121, 5, p. 1400-1400 1 p.

Is an additional filter necessary for retransfusion of processed cell saver blood?
Vries, de, A. J., Gallandat Huet, R., Vermeijden, J. & Scheeren, T., 26-Oct-2015, p. A3046.

Clinical Cure and Mortality Outcomes with Ceftobiprole Medocaril versus Ceftazidime plus Linezolid in High-Risk Patients with Hospital-Acquired Pneumonia
Welte, T., Scheeren, T., Capellier, G., Saulay, M. & Engelhardt, M., 18-Sept-2015.

Differential effects of phenylephrine and norepinephrine on peripheral tissue oxygenation during general anaesthesia: A randomised controlled trial
Poterman, M., Vos, J. J., Vereecke, H. E. M., Struys, M. M. R. F., Vanoverschelde, H., Scheeren, T. W. L. & Kalmar, A. F., Aug-2015, In: European Journal of Anaesthesiology. 32, 8, p. 571-580 10 p.

Are we ready for non-invasive blood pressure monitoring?-reply
Kalmar, A. F., Vos, J. J., Poterman, M. & Scheeren, T. W. L., Jul-2015, In: British Journal of Anaesthesia. 115, 1, p. 130-131 2 p.

Estimating changes in Stroke Volume by non-invasive pulse-oximetry Pulse Transit Time Measurements
ten Bokkel-Andela, J., Poterman, M., Scheeren, T. & Kalmar, A. F., 1-Jun-2015, p. 7AP7-7.

Comparing invasive blood pressure measurements with both classic intermittent and novel continuous, non-invasive measurements in patients undergoing cardiac surgery
Buisman, P. L., Poterman, M., Kalmar, A. F. & Scheeren, T., 31-May-2015, p. 1AP4-2.

Clinical cure and mortality outcomes with ceftobiprole medocaril versus ceftazidime plus linezolid in patients with early versus late-onset hospital-acquired pneumonia.
Scheeren, T., Welte, T., Capellier, G., Saulay, M. & Engelhardt, M., 27-Apr-2015, p. O194.

Journal of clinical monitoring and computing 2014 end of year summary: near infrared spectroscopy (NIRS)
Scheeren, T. W. L. & Bendjelid, K., Apr-2015, In: Journal of clinical monitoring and computing. 29, 2, p. 217-220 4 p.

Year in review in journal of clinical monitoring and computing 2014: cardiovascular and hemodynamic monitoring
Bendjelid, K., Rex, S., Scheeren, T. & Critchley, L., Apr-2015, In: Journal of clinical monitoring and computing. 29, 2, p. 203-207 5 p.

Do intravascular hypo- and hypervolaemia result in changes in pulmonary blood volume?
Vos, J. J., Scheeren, T., Loer, S. A., Hoeft, A. & Wietasch, J., 17-Mar-2015, p. P172.

How to use venous oxygen saturations and lactate in critically ill patients
van Beest, P. A. & Scheeren, T. W. L., Mar-2015, In: Nederlands Tijdschrift voor Anesthesiologie. 28, 1, p. 5-11 7 p.

Effects of levosimendan for low cardiac output syndrome in critically ill patients: systematic review with meta-analysis and trial sequential analysis
Koster, G., Wetterslev, J., Gluud, C., Zijlstra, J. G., Scheeren, T. W. L., van der Horst, I. C. C. & Keus, F., Feb-2015, In: Intensive Care Medicine. 41, 2, p. 203-221 19 p.

Novel hemostatic patch achieves sutureless epicardial wound closure during complex cardiac surgery: A case report
Jainandunsing, J. S., Al-Ansari, S., Woltersom , B. D., Scheeren, T. W. L. & Natour, E., 27-Jan-2015, In: Journal of cardiothoracic surgery. 10, 3 p., 12.

Effects of Cell-Saving Devices and Filters on Transfusion in Cardiac Surgery: A Multicenter Randomized Study
Vermeijden, W. J., van Klarenbosch, J., Gu, Y. J., Mariani, M. A., Buhre, W. F., Scheeren, T. W. L., Hagenaars, J. A. M., Tan, M. E. S. H., Haenen, J. S. E., Bras, L., van Oeveren, W., van den Heuvel, E. R. & de Vries, A. J., Jan-2015, In: Annals of thoracic surgery. 99, 1, p. 26-32 7 p.

Ceftobiprole medocaril in the treatment of hospital-acquired pneumonia
Scheeren, T. W. L., 2015, In: Future microbiology. 10, 12, p. 1913-1928 16 p.

Do intravascular hypovolaemia and hypervolaemia result in changes in pulmonary blood volume?
Vos, J., Scheeren, T., Loer, S., Hoeft, A. & Wietasch, J., 2015, In: Critical care. 19, Suppl 1, p. P172

Tissue oxygenation as a target for goal-directed therapy in high-risk surgery: a pilot study
van Beest, P. A., Vos, J. J., Poterman, M., Kalmar, A. F. & Scheeren, T. W. L., 16-Dec-2014, In: BMC Anesthesiology. 14, 122, 9 p., 122.

Frühzeitige klinische Symptomverbesserung bei Patienten mit ambulant erworbener und nosokomialer Pneumonie: Eine Analyse von zwei aktiv kontrollierten Ceftobiprol Phase 3 Studien
Scheeren, T., Welte, T., Saulay, M. & Engelhardt, M., 4-Dec-2014, p. P/06/06.

Wirksamkeit von Ceftobiprol bei intensivmedizinisch versorgten Patienten mit ambulant erworbener und nosokomialer Pneumonie: eine Analyse von zwei aktiv kontrollierten Ceftobiprol Phase 3 Studien
Welte, T., Scheeren, T., Demange, A. & Engelhardt, M., 4-Dec-2014, p. P/06/11.

Green light for liver function monitoring using indocyanine green? An overview of current clinical applications
Vos, J. J., Wietasch, J. K. G., Absalom, A. R., Hendriks, H. G. D. & Scheeren, T. W. L., Dec-2014, In: Anaesthesia. 69, 12 , p. 1364-1376 13 p.

Comparison of a Non-Invasive with Two Minimally Invasive Cardiac Output Monitors During Off-Pump Coronary Artery Bypass Surgery
Scheeren, T., Buisman, P., Van Der Berg, J. P., Visser, E., Brommundt, J., Rietman, G. W., Poterman, M. & Kalmar, A. F., 11-Oct-2014, p. A1118.

Comparison of Single and Recalibrated Measurements of Cardiac Index Obtained by ProAQT-Pulsioflex with Those of FloTrac/Vigileo
v.d. Bergh, J., Buisman, P., Poterman, M., Lichtenbelt, B. J., Jainandunsing, J., Kalmar, A. F. & Scheeren, T., 11-Oct-2014 , p. A1116.

Colloids and crystalloids: The story continues
van Beest, P. A., Spronk, P. E., Kuiper, M. A. & Scheeren, T. W. L., Oct-2014, In: Critical Care Medicine. 42, 10, p. e676 1 p.

Comparison of single and recalibrated measurements of cardiac index obtained by ProAQT-Pulsioflex™ with those of FloTrac/Vigileo™
Scheeren, T., v.d. Bergh, J., Buisman, P., Jainandunsing, J., Lichtenbelt, B. J., Poterman, M. & Kalmar, A. F., 19-Sept-2014, p. O-71.

Comparison of a non-invasive with two minimally invasive cardiac output monitors during off-pump coronary artery bypass surgery
Scheeren, T., Buisman, P., Van Der Berg, J. P., Visser, E., Brommundt, J., Rietman, W., Poterman, M. & Kalmar, A. F., 18-Sept-2014, p. P-46.

Influence of early goal-directed therapy using arterial waveform analysis on major complications after high-risk abdominal surgery: Study protocol for a multicenter randomized controlled superiority trial
Montenij, L., de Waal, E., Frank, M., van Beest, P., de Wit, A., Kruitwagen, C., Buhre, W. & Scheeren, T., 16-Sept-2014, In: Trials. 15, 12 p., 360.

Efficacy of ceftobiprole in intensive care unit (ICU) patients with hospital-acquired pneumonia (HAP)
Welte, T., Scheeren, T., Rodriguez, A. H., Demange, A. & Engelhardt, M., 10-Sept-2014.

Off-pump CABG surgery reduces systemic inflammation compared with on-pump surgery but does not change systemic endothelial responses: A prospective randomized study
Jongman, R. M., Zijlstra, J. G., Kok, W. F., van Harten, A. E., Mariani, M. A., Moser, J., Struys, M. M. R. F., Absalom, A. R. , Molema, G., Scheeren, T. W. L. & van Meurs, M., Aug-2014, In: Shock. 42, 2, p. 121-128 8 p.

A Phase 3 Randomized Double-Blind Comparison of Ceftobiprole Medocaril Versus Ceftazidime Plus Linezolid for the Treatment of Hospital-Acquired Pneumonia
Awad, S. S., Rodriguez, A. H., Chuang, Y.-C., Marjanek, Z., Pareigis, A. J., Reis, G., Scheeren, T. W. L., Sanchez, A. S., Zhou, X., Saulay, M. & Engelhardt, M., 1-Jul-2014, In: Clinical Infectious Diseases. 59, 1, p. 51-61 11 p.

Comparison of continuous non-invasive finger arterial pressure monitoring with conventional intermittent automated arm arterial pressure measurement in patients under general anaesthesia
Vos, J. J., Poterman, M., Mooyaart, E. A. Q., Weening, M., Struys, M. M. R. F., Scheeren, T. W. L. & Kalmar, A. F., Jul-2014, In: British Journal of Anaesthesia. 113, 1, p. 67-74 8 p.

Counter statement to open letter to the Executive Director of the European Medicines Agency concerning the licensing of hydroxyethyl starch solutions for fluid resuscitation
Coriat, P., Guidet, B., de Hert, S., Kochs, E., Kozek, S., Van Aken, H. & Co-signatories Counter statement to open letter to the Executive Director of the European Medicines Agency concerning the licensing of hydroxyethyl starch solutions for fluid resuscitation, Jul-2014, In: British Journal of Anaesthesia. 113, 1, p. 194-195 2 p.

A pilot study of cerebral tissue oxygenation and postoperative cognitive dysfunction among patients undergoing coronary artery bypass grafting randomised to surgery with or without cardiopulmonary bypass*
Kok, W. F., van Harten, A. E., Koene, B. M. J. A., Mariani, M. A., Koerts, J., Tucha, O., Absalom, A. R. & Scheeren, T. W. L., Jun-2014, In: Anaesthesia. 69, 6, p. 613-622 10 p.

Minimally invasive prediction of ScvO2 in high-risk surgery: The introduction of a model Index of Oxygenation
de Grooth, H.-J. S., Vos, J. J., Scheeren, T. & van Beest, P., 14-May-2014, p. S-305.

ACT Messung in der Herzchirurgie: klinische Relevanz einer nicht perfekten Wiederholbarkeit?
Brommundt, J., Jainandunsing, J., Modestini, M. & Scheeren, T., 10-May-2014.

Tissue oxygenation as a target for goal-directed therapy in high-risk surgery: a pilot study
van Beest, P., Poterman, M., Kalmar, A. F. & Scheeren, T., 19-Mar-2014.

Perioperative Calibration of Noninvasive Hemoglobin Monitoring
Kalmar, A. F., Poterman, M. & Scheeren, T. W. L., Feb-2014, In: Anesthesia and Analgesia. 118, 2, p. 481-481 1 p.

Hemodynamics and tissue oxygenation during balanced anesthesia with a high antinociceptive contribution: an observational study
Vos, J. J., Poterman, M., Hannivoort, L. N., Renardel De Lavalette, V. W., Struys, M. M., Scheeren, T. W. & Kalmar, A. F., 2014, In: Perioperative Medicine. 3, 9 p., 9.

Obstruction of endotracheal tube with relevant respiratory acidosis during pediatric cardiac surgery
Morei, N. M., Mungroop, H. E., Michielon, G. & Scheeren, T., 2014, In: Pediatric Anesthesia and Critical Care Journal. 2, 2 , p. 102-104 3 p.

Phenylephrine Administration Increases Cardiac Output in Parasympathically Blocked Patients
Kalmar, A. F., Poterman, M. & Scheeren, T., 15-Oct-2013, p. A4067.

Influence of anesthesia induction and vasopressors on noninvasive SpHb measurements
Poterman, M., Scheeren, T. & Kalmar, A. F., 13-Oct-2013, p. A2249.

Association of intraoperative tissue oxygenation with suspected risk factors for tissue hypoxia
Spruit, R. J., Schwarte, L. A., Hakenberg, O. W. & Scheeren, T. W. L., Oct-2013, In: Journal of clinical monitoring and computing. 27, 5, p. 541-550 10 p.

Intraoperative ICG plasma disappearance rate helps to predict absence of early postoperative complications after orthotopic liver transplantation
Vos, J. J., Scheeren, T. W. L., Lukes, D. J., de Boer, M. T., Hendriks, H. G. D. & Wietasch, J. K. G., Oct-2013, In: Journal of clinical monitoring and computing. 27, 5, p. 591-598 8 p.

Off-pump CABG surgery reduces systemic inflammation compared to on-pump CABG but does not change endothelial responses: A randomized clinical study
Jongman, R., Zijlstra, J., Mariani, M., Moser, J., Struys, M., Ligtenberg, J., Absalom, A., Molema, G., Scheeren, T. & van Meurs, M., Oct-2013, p. S340-S341. 2 p.

Where there are no resources: Emergency Cesarean Sections in conflict zones in West Africa performed under Ketamine Anesthesia without intubation are safe
Brommundt, J., Karl, A. & Scheeren, T., 23-Sept-2013, p. S484.

Nabij-infrarood spectroscopie (NIRS) in de klinische anesthesiologie
Poterman, M., Scheeren, T. & Kalmar, A. F., Jul-2013, In: Nederlands Tijdschrift voor Anesthesiologie. 26, 3, p. 24-27 4 p.

Technology report: ccNexfin monitor
Kalmar, A. F., Wesseling, W. & Scheeren, T. W. L., Jul-2013, In: Nederlands Tijdschrift voor Anesthesiologie. 26, 3, p. 3-7 5 p.

Noninvasively derived stroke volume variation by finger volume clamping can reliably predict fluid responsiveness
Vos, J. J., Poterman, M., Struys, M., Scheeren, T. & Kalmar, A. F., 3-Jun-2013, p. 4AP8-1.

Prophylactic administration of atropine attenuates the negative haemodynamic effects of propofol/remifentanil induction of anaesthesia.
Poterman, M., Scheeren, T., van der Velde, M. I., Struys, M. & Kalmar, A. F., 3-Jun-2013, p. 4AP7-3.

Differentiation of cardiovascular effects of phenylephrine by noninvasive advanced hemodynamic monitoring
Kalmar, A. F., Poterman, M., van der Velde, M. I., Struys, M. & Scheeren, T., 2-Jun-2013, p. 4AP3-4.

ACT measurement: The biased gold standard of measuring heparin anticoagulation in cardiac surgery
Brommundt, J., Modestini, M., Jainandunsing, J., Geus, F. D. & Scheeren, T., Jun-2013, p. O-05.

Comparison of arterial pressure and plethysmographic waveform-based dynamic preload variables in assessing fluid responsiveness and dynamic arterial tone in patients undergoing major hepatic resection
Vos, J. J., Kalmar, A. F., Struys, M. M. R. F., Wietasch, J. K. G., Hendriks, H. G. D. & Scheeren, T. W. L., Jun-2013, In: British Journal of Anaesthesia. 110, 6, p. 940-946 7 p.

Goal-directed intraoperative fluid therapy guided by stroke volume and its variation in high-risk surgical patients: a prospective randomized multicentre study
Scheeren, T. W. L., Wiesenack, C., Gerlach, H. & Marx, G., Jun-2013, In: Journal of clinical monitoring and computing. 27 , 3, p. 225-233 9 p.

Heart rate and the assessment of changes in venous return after phenylephrine
Kalmar, A. F. & Scheeren, T. W. L., Jun-2013, In: Journal of Applied Physiology. 114, 11, p. 1646-1646 1 p.

NIRS during therapeutic hypothermia: Cool or hot?
Absalom, A. R. & Scheeren, T. W. L., Jun-2013, In: Resuscitation. 84, 6, p. 720-721 2 p.

On-pump CABG is associated with more renal desaturation and higher biomarker values for acute kidney injury than off-pump CABG
Poterman, M., Jongman, R., Kalmar, A. F., Mariani, M., van Meurs, M., Absalom, A. & Scheeren, T., Jun-2013, p. O-54.

Tissue oxygen saturation as a goal, but when and where should we measure it?
van Beest, P. A. & Scheeren, T. W. L., Jun-2013, In: Journal of clinical monitoring and computing. 27, 3, p. 211-213 3 p.

The effects of cell salvage and leukocyte depletion, alone and in combination, on allogeneic blood transfusion in cardiac surgery: A multicenter randomized clinical trial.
Vermeijden, J., van Klarenbosch, J., van den Heuvel, E., Gu, Y., de Wolf, J., Mariani, M., Scheeren, T., Buhre, W. F., Hagenaars, J. A. M., Tan, M. E. S. H., Haenen, J. S. E., Bras, L., van Oeveren, W. & de Vries, A., 30-May-2013.

PAK, PiCCO, EVLW, SvO2, ScvO2, SVV etc: Was überwache ich wann? Welches Monitoring für welchen Patienten?
Scheeren, T., 6-Dec-2012, *Handbuch der Intensivpflege: Pflegerische Praxis und medizinische Grundlagen.* Landsberg: Ecomed Medizin

Femoral venous oxygen saturation is no surrogate for central venous oxygen saturation
van Beest, P. A., van der Schors, A., Liefers, H., Coenen, L. G. J., Braam, R. L., Habib, N., Braber, A., Scheeren, T. W. L. , Kuiper, M. A. & Spronk, P. E., Dec-2012, In: Critical Care Medicine. 40, 12, p. 3196-3201 6 p.

Good old physiology in a modern jacket
Scheeren, T. W. L. & Vos, J. J., Dec-2012, In: Critical Care Medicine. 40, 12, p. 3309-3311 4 p.

Intraoperative cerebral tissue oxygenation and postoperative cognitive dysfunction after on- and off-pump coronary artery bypass surgery – a randomized study
Scheeren, T., van Harten, A. E., Kok, W. F. & Absalom, A., 30-Nov-2012.

Tissue oxygenation fails to detect major hypoxic events in risk surgery: A case report
van Leeuwen, A., van Beest, P., Vos, J. J., Vereecke, H. E. M. & Scheeren, T., 10-Nov-2012.

Stellenwert der venösen Sauerstoffsättigung als flussbasierte Kreislauf- und Stoffwechselvariable
van Beest, P., Wietasch, J., Spronk, P., Kuiper, M. & Scheeren, T., 1-Nov-2012, *Jahrbuch Intensivmedizin 2012/2013.* Kuckelt, W. & Tonner, P. H. (eds.). Lengerich: Pabst Science Publishers

Postoperatieve cognitieve dysfunctie en neuroinflammatie na hartchirurgie
van Harten, A., Scheeren, T. & Absalom, A., Nov-2012, In: Neuropraxis. Neurowetenschappen in praktijk. 16, 5, p. 149-156 8 p.

Intraoperative Cerebral Tissue Oxygenation and Postoperative Cognitive Dysfunction After on- and off-Pump Coronary Artery Bypass Surgery
Absalom, A., van Harten, A., Aarden, E. L., Kok, W. F. & Scheeren, T., 16-Oct-2012, In: Anesthesiology. A265.

Validation of continuous noninvasive arterial blood pressure measurements during general anesthesia
Kalmar, A. F., Vos, J. J., Weening, M., Mooyaart, E. A., Poterman, M., Struys, M. & Scheeren, T., 14-Oct-2012, In: Anesthesiology. A174.

Accuracy of non-invasive measurement of haemoglobin concentration by pulse co-oximetry during steady-state and dynamic conditions in liver surgery
Vos, J. J., Kalmar, A. F., Struys, M. M. R. F., Porte, R. J., Wietasch, J. K. G., Scheeren, T. W. L. & Hendriks, H. G. D., Oct-2012, In: British Journal of Anaesthesia. 109, 4, p. 522-528 7 p.

Effect of atropine, norepinephrine and phenylephrine on cerebral oxygenation and cardiac output during anesthesia.
Kalmar, A. F., Poterman, M., Mooyaart, E. A., Struys, M. & Scheeren, T., Oct-2012, In: Anesthesiology. A840.

Het effect van fenylefrine en noradrenaline op de hemodynamiek en cerebrale weefseloxygenatie tijdens algehele anesthesie
Poterman, M., Mooyaart, E. A., Vos, J. J., Struys, M., Scheeren, T. & Kalmar, A. F., 28-Sept-2012.

Monitoring tissue oxygenation by near infrared spectroscopy (NIRS): background and current applications
Scheeren, T. W. L., Schober, P. & Schwarte, L. A., Aug-2012, In: Journal of clinical monitoring and computing. 26, 4, p. 279-287 9 p.

Atropine increases the positive adrenergic effects of norepinephrine: A pilot study.
Kalmar, A. F., Weening, M., Struys, M. M. R. F. & Scheeren, T. W. L., 11-Jun-2012, In: European Journal of Anaesthesiology. 29, Supplement 50, p. 74-75 4AP8-6.

High compliance to computerized tests for assessment of postoperative cognitive dysfunction
Kok, W. F., van Harten, A. E., Scheeren, T. & Absalom, A., 11-Jun-2012, In: European Journal of Anaesthesiology. volume 29, supplement 50, p. 113-114 2 p., 7AP4-9.

Acute hypoxia during propofol-anesthesia, but not during sevoflurane-anesthesia, stimulates macro- and microcirculatory hemodynamics in dogs
Schwarte, L. A., Schober, P., Scheeren, T., Schwartges, I. & Picker, O., 10-Jun-2012, In: European Journal of Anaesthesiology. 29, supplement 50, p. 3 Best Abstracts - Runner-up Session 1: ESAAP 1-4.

Hemodynamic stability in an optimized propofol-remifentanil based anesthesia for ophthalmic surgery.
Vos, J. J., Scheeren, T. W. L., Renardel De Lavalette, V. W., Struys, M. M. R. F. & Kalmar, A. F., 10-Jun-2012, In: European Journal of Anaesthesiology. 29, Supplement 50, p. 78 4AP9-7.

Prediction of fluid responsiveness by dynamic preload indices in patients undergoing major hepatic resection
Vos, J. J., Kalmar, A. F., Struys, M. M. R. F., Wietasch, J. K. G., Hendriks, H. G. D. & Scheeren, T. W. L., 10-Jun-2012, In: European Journal of Anaesthesiology. 29, Supplement 50, p. 67 4AP6-3.

The differential effects of recombinant brain natriuretic peptide, nitroglycerine and dihydralazine on systemic oxygen delivery and gastric mucosal microvascular oxygenation in dogs*
Schwarte, L. A., Schwartges, I., Scheeren, T. W. L., Schober, P. & Picker, O., May-2012, In: Anaesthesia. 67, 5, p. 501-507 7 p.

A review of postoperative cognitive dysfunction and neuroinflammation associated with cardiac surgery and anaesthesia
van Harten, A. E., Scheeren, T. W. L. & Absalom, A. R., Mar-2012, In: Anaesthesia. 67, 3, p. 280-293 14 p.

Verbessertes Outcome durch erweitertes perioperatives hämodynamisches Monitoring von Risikopatienten
Weyland, A. & Scheeren, T., Feb-2012, In: Anästhesiologie · Intensivmedizin · Notfallmedizin · Schmerztherapie. 47, 2, p. 92-99 8 p.

Effect of phenylephrine and norepinephrine on hemodynamics and cerebral oxygenation during general anesthesia.
Poterman, M., Scheeren, T., Mooyaart, E. A., Vos, J., Struys, M. & Kalmar, A. F., 2012, In: Nederlands Tijdschrift voor Anesthesiologie. 25, p. 18

Intraoperative cerebral tissue oxygenation and postoperative cognitive dysfunction after onand off-pump coronary artery bypass surgery - a randomized study
Scheeren, T. W. L., van Harten, A. E., Kok, W. F. & Absalom, A. R., 2012, In: Applied Cardiopulmonary Pathophysiology. 16, 4, p. 347-349 3 p.

Pharmacologic Interventions to Improve Splanchnic Oxygenation During Ventilation with Positive End-Expiratory Pressure
Fournell, A., Scheeren, T. W. L., Picker, O. & Schwarte, L. A., 2012, *OXYGEN TRANSPORT TO TISSUE XXXIII.* Wolf, M., Bucher, H., Rudin, M., VanHuffel, S., Wolf, U., Bruley, D. & Harrison, D. (eds.). BERLIN: Springer, Vol. 737. p. 235-238 4 p. (Advances in Experimental Medicine and Biology; vol. 737).

Prediction of fluid responsiveness by dynamic indices of volume status in mechanically ventilated patients undergoing major hepatic resection.
Vos, J. J., Hendriks, H. G. D., Kalmar, A. F., Wietasch, J. K. G., Struys, M. M. R. F. & Scheeren, T. W. L., Sept-2011, In: Nederlands Tijdschrift voor Anesthesiologie.

Prognostic value of intraoperative renal tissue oxygenation measurement on early renal transplant function
Scheeren, T. W. L., Martin, K., Maruschke, M. & Hakenberg, O. W., Jul-2011, In: Transplant International. 24, 7, p. 687-696 10 p.

A randomized study comparing three bronchial blockers, Arndt®, Coopdech® and EZ-blocker® and a double-lumen tube for lung isolation: A manikin study
Mungroop, H. E., Gennep, L., Morei, N., Scheeren, T. & Epema, A. H., 13-Jun-2011, In: European Journal of Anaesthesiology. 28, Supplement 48, p. 230 19AP3-1.

Association between intraoperative tissue oxygenation, arterial blood pressure and noradrenaline use in urological patients
Spruit, R. J., Schwarte, L. A., Hakenberg, O. W. & Scheeren, T., 12-Jun-2011, In: European Journal of Anaesthesiology. p. 62 4AP8-10.

Continuous non-invasive measurement of total hemoglobin concentration during major liver resection by pulse co-oximetry
Vos, J. J., Scheeren, T. W. L., Struys, M. M. R. F. & Hendriks, H. G. D., 12-Jun-2011, In: European Journal of Anaesthesiology. 28, p. 28 3AP1-9.

Monitoring the microcirculation in the critically ill patient: reflectance spectroscopy
Scheeren, T. W. L., Jun-2011, In: Intensive Care Medicine. 37, 6, p. 1045-1046 2 p.

A randomized study comparing three bronchial blockers, Arndt, Coopdech and EZ-Blocker and a double-lumen tube for lung isolation: a manikin study
Gennep, L., Mungroop, H. E., Morei, N., Scheeren, T. & Epema, A. H., 20-May-2011.

Association between intraoperative tissue oxygenation, arterial blood pressure and noradrenalin use in urological patients
Spruit, R. J., Schwarte, L. A., Hakenberg, O. W. & Scheeren, T., 20-May-2011.

Continuous non-invasive measurement of total hemoglobin concentration during major liver resection by pulse co-oximetry
Vos, J. J., Scheeren, T., Struys, M. M. R. F. & Hendriks, H. G. D., 20-May-2011.

Effects of r-BNP (recombinant brain natriuretic peptide), nitroglycerine and dihydralazine on gastric mucosal microvascular oxygenation
Dettwiler, S. M., Schober, P., Schwartges, I., Scheeren, T., Picker, O. & Schwarte, L. A., 20-May-2011.

Adequate Early Graft Function after Orthotopic Liver Transplantation is best predicted by Indocyanine Green Plasma Disappearance Rate
Vos, J. J., Lukes, D. J., Scheeren, T., Hendriks, H. G. D., Porte, R. & Wietasch, J., May-2011, In: Anesthesia and Analgesia. 112, 5, S-244.

Zielgerichtete Volumentherapie durch Optimierung von Schlagvolumen (variation) bei Hochrisikoeingriffen: eine randomisierte kontrollierte Multicenter Pilotstudie
Scheeren, T., Wiesenack, C., Gerlach, H. & Marx, G., May-2011, In: Anästhesiologie & Intensivmedizin. 52, S278

Goal-directed fluid management based on stroke volume variation and stroke volume optimization during high-risk surgery: a pilot multicentre randomized controlled trial
Scheeren, T., Wiesenack, C., Gerlach, H. & Marx, G., 22-Mar-2011, In: Critical Care. 15, Suppl 1, p. S13 kolom 1 p., P36.

Akuter Blutverlust in der operativen Medizin
Scheeren, T., Hergert, S. M. & Nöldge-Schomburg, G., 2011, *Transfusionsmedizin und Immunhämatologie: Grundlagen – Therapie – Methodik.* Kiefel, V. & Mueller-Eckhardt , C. (eds.). 4 ed. Berlin: Springer Berlin Heidelberg, p. 297-309 13 p.

Clinical review: use of venous oxygen saturations as a goal - a yet unfinished puzzle
van Beest, P., Wietasch, G., Scheeren, T., Spronk, P. & Kuiper, M., 2011, In: Critical Care. 15, 5, 9 p., 232.

"Goal-directed therapy" im OP: Welches Monitoring, welche Zielparameter?
Scheeren, T., 2011, *Jahrbuch Intensivmedizin 2011/2012: Qualität steigern, Teamarbeit verbessern.* Kuckelt, W. & Tonner, P. H. (eds.). Lengerich: Pabst Science Publishers, p. 144-146 3 p.

Kreislaufphysiologische Grundlagen
Scheeren, T., Hergert, S. M. & Nöldge-Schomburg, G., 2011, *Transfusionsmedizin und Immunhämatologie: Grundlagen – Therapie – Methodik.* Kiefel, V. & Mueller-Eckhardt, C. (eds.). 4 ed. Springer Berlin Heidelberg, p. 35-43 9 p.

PAK, PiCCO, EVLW, SvO2, ScvO2, SVV etc.: Was überwache ich wann? Welches Monitoring für welchen Patienten?
Scheeren, T., 2011, *Intensivmedizin: Basiswissen - Facharztstandards - neue Studien - neue Entwicklungen.* Landsberg: Ecomed Medizin

Hypercapnic Acidosis Preserves Gastric Mucosal Microvascular Oxygen Saturation in a Canine Model of Hemorrhage.
Schwartges, I., Picker, O., Beck, C., Scheeren, T. W. L. & Schwarte, L. A., Dec-2010, In: Shock. 34, 6, p. 636-642 7 p.

Near infrared spectroscopy (NIRS) to monitor tissue haemoglobin (and myoglobin) oxygenation
Scheeren, T. W. L., 7-Oct-2010, In: International journal of clinical monitoring and computing. 25, p. 37-38 2 p.

Pulse Dye Densitometry and Indocyanine Green Plasma Disappearance: The Issue of "Normal" Values
Vos, J. J., Scheeren, T. W. L. & Wietasch, G. J. K., Oct-2010, In: Anesthesia and Analgesia. 111, 4, p. 1075-1076 2 p.

Sevoflurane and propofol anaesthesia differentially modulate the effects of epinephrine and norepinephrine on microcirculatory gastric mucosal oxygenation
Schwarte, L. A., Schwartges, I., Schober, P., Scheeren, T. W. L., Fournell, A. & Picker, O., Oct-2010, In: British Journal of Anaesthesia. 105, 4, p. 421-428 8 p.

Prediction of early liver dysfunction after orthotopic liver transplantation using indocyanine plasma disappearance rate
Scheeren, T., Vos, J. J. & Wietasch, J., 24-Sept-2010, In: Nederlands Tijdschrift voor Anesthesiologie. 22, 4, p. 12

Incidence of intraoperative tissue hypoxia in high and low risk surgical patients.
Scheeren, T. W. L., Struys, M. M. R. F. & Wietasch, G. J. K., 13-Jun-2010, In: European Journal of Anaesthesiology. 27, Suppl 47, p. 23 1 p., 1AP6-4.

Wiederbelebungsunterricht bei Schülern: Ab der siebten Klasse sinnvoll
Rücker, G., Schubert, J., Scheeren, T. & Nöldge-Schomburg, G., 19-Mar-2010, In: Deutsches Ärzteblatt. 107, 11, p. A492-A493 2 p.

Prognostic value of intra-operative renal tissue oxygenation measurement on early renal transplant function
Scheeren, T., Martin, K., Maruschke, M., Hakenberg, O. W. & Nöldge-Schomburg, G., 26-Sept-2009, In: Shock. 32, suppl. 1, p. 5 1 p., TA20.

Bedeutung intraoperativer Gewebe-oxygenierung der Niere für die Funktions-aufnahme nach Nierentransplantationen
Scheeren, T., Martin, K., Maruschke, M., Hakenberg, O. W. & Nöldge-Schomburg, G., 17-Sept-2009, In: Anästhesiologie & Intensivmedizin. 50, suppl. 4, 1 p., S623.

Hämodynamisches Management von kardiochirurgischen Intensivpatienten: Transpulmonale Thermodilution für das postoperative Volumenmanagement von kardio- und thoraxchirurgischen Patienten - Con
Scheeren, T., 17-Sept-2009, In: Anästhesiologie & Intensivmedizin. 50, suppl. 4, 1 p., S607.

Prognostic value of intraoperative renal tissue oxygenation measurment on early renal transplant function
Scheeren, T. W. L., Martin, K., Maruschke, M., Nöldge-Schomburg, G. F. E. & Hakenberg, O. W., 1-Sept-2009, In: Transplant International. 22, suppl. 2, p. 362 1 p., LBP-51.

Prognostic value of intraoperative renal tissue oxygenation measurement on early renal transplant function.
Scheeren, T. W. L., Martin, K., Maruschke, M., Noeldge-Schomburg, G. F. E. & Hakenberg, O. W., Aug-2009, In: Transplant International. 22, p. 362-362 1 p.

Accurate and continuous measurement of oxygen deficit during haemorrhage in pigs
Roesner, J. P., Koch, A., Bateman, R., Scheeren, T. W. L., Zander, R., Noeldge-Schomburg, G. E. F. & Zacharowski, K., Feb-2009, In: Resuscitation. 80, 2, p. 259-263 5 p.

B beta(15-42) (FX06) reduces pulmonary, myocardial, liver, and small intestine damage in a pig model of hemorrhagic shock and reperfusion
Roesner, J. P., Petzelbauer, P., Koch, A., Tran, N., Iber, T., Vagts, D. A., Scheeren, T. W. L., Vollmar, B., Noeldge-Schomburg, G. E. F. & Zacharowski, K., Feb-2009, In: Critical Care Medicine. 37, 2, p. 598-605 8 p.

Bedeutung intraoperativer Gewebeoxygenierung der niere für die funktionsaufnahme nach nierentransplantation
Hakenberg, O., Scheeren, T., Maruschke, M., Martin, K. & Nöldge-Schomburg, G., 2009, In: Transplantationsmedizin: Organ der Deutschen Transplantationsgesellschaft. 21, SUPPL. 2, p. 5

Monitoring von Risikopatienten: Was kann? Was muss?
Scheeren, T., 2009, In: Journal für Anästhesie und Intensivbehandlung . 2, p. 24-25 2 p.

Prognostic value of intraoperative renal tissue oxygenation measurement on early renal transplant function.
Scheeren, T. W. L., Martin, K., Manischke, M., Hakenberg, O. W. & Noeldge-Schomburg, G. F. E., 2009, In: Shock. 32, p. 5-5 1 p.

Abhängigkeit der Effekte von Noradrenalin und Adrenalin auf die mikrovaskuläre Mukosa-Oxygenation vom verwendeten Anästhetikum (Sevofluran vs. Propofol)
Schwarte, L. A., Schwartges, I., Schober, P., Fournell, A., Scheeren, T. & Picker, O., 5-Dec-2008, In: Intensivmedizin und Notfallmedizin. 45, Supplement 1, I:61.

Hypercapnia induces a concentration-dependent increase in gastric mucosal oxygenation in dogs
Schwartges, I., Schwarte, L. A., Fournell, A., Scheeren, T. W. L. & Picker, O., Oct-2008, In: Intensive Care Medicine. 34, 10, p. 1898-1906 9 p.

Plug and Play: Die kalibrationsfreie Pulsdruckanalyse (APCO) im OP
Scheeren, T., 19-Sept-2008, In: Anasthesiologie und Intensivmedizin. 49, Suppl. 7, 2 p., S185-6.

Performance of a minimally invasive cardiac output monitoring system (Flotrac/Vigileo)
Scheeren, T. W. L. & Wiesenack, C., Aug-2008, In: British Journal of Anaesthesia. 101, 2, p. 279-279 1 p.

Different effects of epinephrine and norepinephrine on microcirculatory gastric mucosal oxygenation during anesthesia with sevoflurane or propofol
Schwarte, L. A., Schwartges, I., Fournell, A., Scheeren, T., Schober, P. & Picker, O., 1-Jun-2008, In: European Journal of Anaesthesiology. 25, Suppl. 44, p. 172-173 2 p., 12AP4-1.

Effekt von Noradrenalin und Adrenalin auf die mikrovaskuläre Hämoglobin-Oxygenation der gastralen Mukosa unter Anästhesie mit Sevofluran oder Propofol
Schwarte, L. A., Schwartges, I., Schober, P., Fournell, A., Scheeren, T. & Picker, O., 28-Apr-2008. 1 p.

The fibrin-derived peptide is cardioprotective in a pig model of myocardial ischemia-reperfusion injury
Roesner, J. P., Petzelbauer, P., Koch, A., Mersmann, J., Zacharowski, P. A., Boehm, O., Reingruber, S., Pasteiner, W., Henning, R., Mascher, H. D., Wolzt, M., Barthuber, C., Nöldge-Schomburg, G., Scheeren, T. & Zacharowski, K., 21-Feb-2008.

Das Peptid Bß$_{15-42}$ reduziert Schädigungen von Herz, Lunge, Leber und Dünndarm nach hämorrhagischem Schock und Reperfusion beim Schwein
Roesner, J. P., Petzelbauer, P., Koch, A., Tran, N., Iber, T., Vagts, D. A., Scheeren, T., Vollmar, B., Nöldge-Schomburg, G. & Zacharowski, K., 15-Feb-2008.

Microcirculatory monitoring of a Jehovah's Witness suffering from haemorrhagic shock
Menzebach, A., Mutz, C. & Scheeren, T. W. L., Jan-2008, In: European Journal of Anaesthesiology. 25, 1, p. 81-83 3 p.

Accurate and continuous measurement of oxygen deficit during hemorrhage in pigs
Roesner, J. P., Petzelbauer, P., Koch, A., Iber, T., Scheeren, T. W. L., Vollmar, B., Zander, R., Noeldge-Schomburg, G. E. F. & Zacharowski, K., 2008, In: Shock. 29, p. 51-51 1 p.

B beta(15-42) reduces organ damage in a pig model of hemorrhagic shock and reperfusion
Roesner, J. P., Petzelbauer, P., Koch, A., Iber, T., Vagts, D., Scheeren, T. W. L., Vollmar, B., Noeldge-Schomburg, G. E. F. & Zacharowski, K., 2008, In: Shock. 29, p. 51-51 1 p.

Clonidine elicits a long-term depression in mucosal red cell flux
Fournell, A., Picker, O., Schwartges, I., Scheeren, T. W. L. & Schwarte, L. A., 2008, *Oxygen Transport to Tissue XXVIII.* Maguire, D., Bruley, D. & Harrison, D. (eds.). Springer, p. 17-22 6 p. (Advances in Experimental Medicine and Biology; vol. 599).

Effect of hypercapnia on microvascular gastric mucosal oxygenation under physiological and compromised circulatory conditions in dogs
Beck, C., Bauer, I., Schwartges, I., Scheeren, T. W., Fournell, A. & Picker, O., 2008, In: Shock. 29, p. 60-60 1 p.

Endogenous nitric oxide reduces the efficacy of the endothelin system to maintain blood pressure during high epidural anaesthesia in conscious dogs
Beck, C., Schwatte, L. A., Schindler, A. W., Scheeren, T. W. L. & Picker, O., Aug-2007, In: European Journal of Anaesthesiology. 24, 8, p. 689-696 8 p.

The fibrin-derived peptide B beta(15-42) is cardioprotective in a pig model of myocardial ischemia-reperfusion injury
Roesner, J. P., Petzelbauer, P., Koch, A., Mersmann, J., Zacharowski, P. A., Boehm, O., Reingruber, S., Pasteiner, W., Mascher, D., Wolzt, M., Barthuber, C., Noedge-Schomburg, G. E. F., Scheeren, T. W. L. & Zacharowski, K., Jul-2007, In: Critical Care Medicine. 35, 7, p. 1730-1735 6 p.

Levosimendan pretreatment improves systemic hemodynamics and metabolism during acute hypoxia in dogs
Schwarte, L. A., Schwartges, I., Scheeren, T., Fournell, A. & Picker, O., 10-Jun-2007, In: European Journal of Anaesthesiology. 24, suppl. 39, p. 146-147 2 p., 12AP1-7.

Levosimendan optimiert die Hämodynamik und den Metabolismus unter akuter Hypoxie bei anästhesierten Hunden
Schwarte, L. A., Schwartges, I., Schober, P., Stephan, M., Scheeren, T., Fournell, A. & Picker, O., 5-May-2007, In: Anästhesiologie & Intensivmedizin. 1 p.

Erfassung der Gewebeoxygenierung.
Koch, M. & Scheeren, T., Jan-2007, *Hämodynamisches Monitoring.* 1 ed. Uni-Med Verlag AG, p. 135-151 17 p.

Dihydralazin - nicht aber Glyceroltrinitrat - steigert die mikrovaskuläre Schleimhaut-Oxygenation bei anästhesierten Hunden
Schwarte, L., Schwartges, I., Fournell, A., Scheeren, T. & Picker, O., 9-Nov-2006, p. 17.

Dihydralazine - but not nitroglycerine - increases gastric mucosal oxygenation in dogs
Schwarte, L., Schwartges, I., Fournell, A., Scheeren, T. & Picker, O., Sept-2006, p. S169.

Effects of clonidine on microcirculatory mucosal perfusion compared to systemic and skin perfusion
Picker, O., Schwartges, I., Fournell, A., Scheeren, T. & Schwarte, L., Sept-2006, p. S291.

Management of pulmonary aspiration
Janda, M., Scheeren, T. W. L. & Nöldge-Schomburg, G. F. E., Sept-2006, In: Best practice & research. Clinical anaesthesiology. 20, 3, p. 409-427 19 p.

Clonidine induces prolonged depression of microcirculatory mucosal perfusion - compared to systemic and skin perfusion during propofol and sevoflurane anesthesia
Schwarte, L., Schwartges, I., Fournell, A., Scheeren, T. & Picker, O., Jun-2006, p. A-217.

Endogenous nitric oxide reduces the efficacy of the endothelin system to maintain blood pressure during epidural anaesthesia
Schwarte, L., Beck, C., Scheeren, T. & Picker, O., Jun-2006, p. A-182.

Norepinephrine is superior to epinephrine in increasing gastric mucosal oxygenation
Schwartges, I., Picker, O., Fournell, A., Scheeren, T. & Schwarte, L., Jun-2006, p. A-762.

The impact of intra-aortic balloon pumping on cardiac output determination by pulmonary arterial and transpulmonary thermodilution in pigs
Janda, M., Scheeren, T., Bajorat, J., Westphal, B., Vagts, D., Pohl, B., Popescu, C. & Hofmockel, R., Jun-2006, In: Journal of cardiothoracic and vascular anesthesia. 20, 3, p. 320-324 5 p.

Dihydralazin- nicht aber Glyceroltrinitrat - steigert die mikrovaskuläre Magenschleimhaut-Oxygenation bei anästhesierten Hunden
Schwarte, L. A., Schwartges, I., Fournell, A., Scheeren, T. & Picker, O., 19-May-2006.

Mikrozirkulatorisches Monitoring einer polytraumatisierten Zeugin Jehovas in hämorrhagischen Schock
Menzebach, A., Mutz, C., Nöldge-Schomburg, G. & Scheeren, T., 19-May-2006.

Der neue wasserlösliche Poly-(ADP-Ribose)-Polymease-Inhibitor INO-1001 reduziert den Reperfusionsschaden an Leber und Darm nach hämorrhagischem Schock und Reperfusion am Schweinemodell
Mutz, C., Roesner, J. P., Iber, T., Zacharowski, K., Scheeren, T., Nöldge-Schomburg, G. & Vagts, D. A., 18-May-2006.

Reduktion des Reperfusionsschadens an Herz und Lunge nach hämorrhagischem Schock und Reperfusion mittels PARP-Inhibition. Untersuchungen am instrumentierten Hausschwein.
Roesner, J. P., Iber, T., Mutz, C., Zacharowski, K., Vagts, D. A., Nöldge-Schomburg, G. & Scheeren, T., 17-May-2006.

Der neue wasserlösliche Poly-(ADP-Ribose-)-Polymerase-Inhibitor INO-1001 reduziert den Schaden an Leber und Darm nach hämorrhagischem Schock und Reperfusion. Untersuchungen am instrumentierten Hausschwein
Iber, T., Roesner, J. P., Mutz, C., Zacharowski, K., Scheeren, T., Nöldge-Schomburg, G. & Vagts, D. A., 17-Feb-2006, p. 402-403.

Hypercapnia increases gastric mucosal oxygenation during hemorrhagic shock
Schwarte, L. A., Schwartges, I., Fournell, A., Scheeren, T. & Picker, O., 27-Sept-2005, p. S151.

Norepinephrine is superior to epinephrine in increasing gastric mucosal oxygenation
Picker, O., Schwartges, I., Fournell, A., Schwarte, L. A. & Scheeren, T., 26-Sept-2005, p. S41.

Clonidine induces prolonged depression of microcirculatory mucosal perfusion - compared to systemic and skin perfusion - in chronically instrumented dogs
Schwarte, L. A., Picker, O., Schwartges, I., Scheeren, T. & Fournell, A., 24-Sept-2005.

Sedierung und Analgesie bei Leberversagen
Scheeren, T., 18-Jun-2005.

Ernährung kritisch Kranker - ein update
Scheeren, T., 27-Apr-2005.

Noradrenalin - nicht jedoch Adrenalin - steigert die mikrovaskuläre Magenschleimhaut-Oxygenation bei anästhesierten Hunden
Schwartges, I., Picker, O., Scheeren, T., Fournell, A. & Schwarte, L. A., 18-Apr-2005.

Levosimendan erhält die Plasmaspiegel von ACTH und Kortisol bei wachen und anästhesierten Hunden
Schwarte, L. A., Picker, O., Bornstein, S. & Scheeren, T., 17-Apr-2005.

Levosimendan is superior to milrinone and dobutamine in selectively increasing microvascular gastric mucosal oxygenation in dogs
Schwarte, L., Picker, O., Bornstein, S. R., Fournell, A. & Scheeren, T., Jan-2005, In: Critical Care Medicine. 33, 1, p. 135-142 8 p.

Nicht-invasive Verfahren zur Abschätzung der Gewebeoxygenierung und der Mikrozirkulation
Scheeren, T., 3-Dec-2004.

Behandlung der Crush Injury/Rhabdomyolyse
Scheeren, T., 2-Dec-2004.

Levosimendan preserves plasma levels of ACTH and cortisol in awake and anesthetized dogs
Scheeren, T., Picker, O., Bornstein, S. & Schwarte, L. A., 12-Oct-2004, p. S125.

Effects of levosimendan on the microvascular gastric mucosal hemoglobin oxygenation in dogs.
Schwarte, L. A., Picker, O., Fournell, A. & Scheeren, T., 11-Oct-2004, p. S15.

Effects of thoracic epidural anaesthesia on microvascular gastric mucosal oxygenation in physiological and compromised circulatory conditions in dogs
Schwarte, L., Picker, O., Hohne, C., Fournell, A. & Scheeren, T., Oct-2004, In: British Journal of Anaesthesia. 93, 4, p. 552-559 8 p.

Hyperkapnie steigert die mikrovaskuläre Magenschleimhaut-Oxygenation im hämorrhagischen Schock
Schwarte, L. A., Picker, O., Fournell, A. & Scheeren, T., 20-Jun-2004, p. 103.

Levosimendan steigert die mikrovaskuläre Magenschleimhaut-Oxygenation selektiver als Milrinon und Dobutamin
Schwarte, L. A., Picker, O., Fournell, A. & Scheeren, T., 20-Jun-2004, p. 102.

Beatmung mit PEEP aktiviert die ACTH/Cortisol-Achse: Effekt einer Sympathikolyse durch ausgedehnte thorakolumbale Epiduralanästhesie
Scheeren, T., Picker, O., Bornstein, S. & Schwarte, L. A., 19-Jun-2004, p. 80.

Die permissive Hyperkapnie steigert dosisabhängig die mikrovaskuläre Oxygenierung der Magenschleimhaut
Picker, O., Schwarte, L. A., Scheeren, T. & Fournell, A., 19-Jun-2004, p. 153.

Adenoviral vectors induced cardiovascular complications: pathogenesis and critical care
Deng, X. M., Ni, W., Li, W. X., Yiong, Y. C., Li, J. B., Scheeren, T. & Ding, Z. P., 7-Jun-2004, p. 58-59. 2 p.

Effects of thoracic epidural anaesthesia (TEA) on microvascular gastric mucosal oxygenation during physiological and compromised circulatory conditions in dogs
Scheeren, T., Picker, O., Fournell, A. & Schwarte, L. A., 7-Jun-2004, p. 61.

Levosimendan is superior to Milrinone and Dobutamine in selectively increasing microvascular gastric mucosal oxygenation
Schwarte, L. A., Picker, O., Fournell, A. & Scheeren, T., 6-Jun-2004, p. 53-54. 2 p.

Ventilation with PEEP activates the ACTH/Cortisol-axis: effects of extended sympathicolysis
Picker, O., Schwarte, L. A., Bornstein, S. & Scheeren, T., 6-Jun-2004, p. 73.

Moderate increase in intraabdominal pressure attenuates gastric mucosal oxygen saturation in patients undergoing laparoscopy
Schwarte, L., Scheeren, T., Lorenz, C., De Bruyne, F. & Fournell, A., May-2004, In: Anesthesiology. 100, 5, p. 1081-1087 7 p.

Cardiovascular complications induced by adenoviral vectors: pathogenesis and its critical care
Deng, X. M., Ni, W., Li, W. X., Li, J. B., Scheeren, T. & Ding, Z. P., 19-Apr-2004.

Tiefe intravenöse Analgosedierung zur extremen Ganzkörperhyperthermie in Kombination mit Chemotherapie
Reichel, M., Scheeren, T., Douwes, O. & Konrad, R. M., Apr-2004, In: Forum Komplementäre Onkologie & Forum Immunologie . 3, p. 4-8 5 p.

Accuracy of feedback-controlled oxygen delivery into a closed anaesthesia circuit for measurement of oxygen consumption
Schindler, A., Scheeren, T., Picker, O., Doehn, M. & Tarnow, J., Jan-2004, In: British Journal of Anaesthesia. 92, 1, p. A150-151 2 p.

Comparison of the role of endothelin, vasopressin and angiotensin in arterial pressure regulation during sevoflurane anaesthesia in dogs
Picker, O., Schwarte, L., Roth, H., Greve, J. & Scheeren, T., Jan-2004, In: British Journal of Anaesthesia. 92, 1, p. 102-108 7 p.

Dopamine under alpha(1)-blockade, but not dopamine alone or fenoldopam, increases depressed gastric mucosal oxygenation
Schwarte, L., Picker, O., Schindler, A., Fournell, A. & Scheeren, T., Jan-2004, In: Critical Care Medicine. 32, 1, p. 150-156 7 p.

Desflurane increases heart rate independent of sympathetic activity in dogs
Picker, O., Schwarte, L., Schindler, A. & Scheeren, T., Dec-2003, In: European Journal of Anaesthesiology. 20, 12, p. 945-951 7 p.

Blood pressure regulation: role of endothelin, vasopression and angiotensin
Picker, O., Schwarte, L. A., Schindler, A. W. & Scheeren, T., 6-Oct-2003, p. S70.

Plasma nitrite reflects constitutive nitric oxide synthase activity in mammals
Kleinbongard, P., Dejam, A., Lauer, T., Rassaf, T., Schindler, A., Picker, O., Scheeren, T., Godecke, A., Schrader, J., Schulz, R., Heusch, G., Schaub, G., Bryan, N., Feelisch, M. & Kelm, M., 1-Oct-2003, In: Free Radical Biology and Medicine. 35, 7, p. 790-796 7 p.

Blood pressure regulation: Role of endothelin, vasopressin and angiotensin
Picker, O., Schwarte, L., Schindler, A. & Scheeren, T., Sept-2003, In: Intensive Care Medicine. 29, p. S70-S70 1 p.

Effects of thoracic epidural anaesthesia (TEA) on microvascular oxygenation of the gastric mucosa
Schwarte, L., Picker, O., Schindler, A., Fournell, A. & Scheeren, T., Sept-2003, In: Intensive Care Medicine. 29, p. S108-S108 1 p.

Ventilation with peep activates the ACTH/cortisol-axis: Effects of extended sympathicolysis
Scheeren, T., Picker, O., Bornstein, S. & Schwarte, L., Sept-2003, In: Intensive Care Medicine. 29, p. S139-S139 1 p.

Fenoldopam - but not dopamine - selectively increases gastric mucosal oxygenation in dogs
Schwarte, L., Picker, O., Schindler, A., Fournell, A. & Scheeren, T., Jul-2003, In: Critical Care Medicine. 31, 7, p. 1999-2005 7 p.

Assessment of microvascular oxygen saturation in gastric mucosa in volunteers breathing continuous positive airway pressure
Fournell, A., Schwarte, L., Kindgen-Milles, D. & Scheeren, T., Jun-2003, In: Critical Care Medicine. 31, 6, p. 1705-1710 6 p.

Topische Applikation von S-Ketamin oder Morphin auf die Hinterwurzel wirkt analgetisch und schmerzprophylaktisch nach lumbaler Diskektomie
Scheeren, T., Rommel, F., Klingenhöfer, M., Herdmann, J. & Holthusen, H., 12-Apr-2003, p. 120.

Detektion einer paradoxen Luftembolie mittels transösophagealem Doppler in der Aorta descendens
Draganov, J. & Scheeren, T., 10-Apr-2003, p. 150.

Effekte einer thorakalen Epiduralanästhesie auf die mikrovaskuläre Oxygenation der Magenschleimhaut
Schwarte, L. A., Picker, O., Schindler, A. W., Fournell, A. & Scheeren, T., 10-Apr-2003, p. 106.

Blutdruckregulation während einer Sevofluran-Anaesthesie (1-3 MAC) am Hund: Wirkung von Endothelin, Angiotensin und Vasopressin
Picker, O., Schwarte, L. A., Schindler, A. W., Greve, J. & Scheeren, T., 9-Apr-2003, p. 136.

Incidental detection of paradoxical air embolism with a transoesophageal Doppler probe inserted for measuring descending aortic blood flow
Draganov, J. & Scheeren, T., Apr-2003, In: British Journal of Anaesthesia. 90, 4, p. 520-522 3 p.

Accuracy of feedback-controlled oxygen delivery into a closed anaesthesia circuit for measurement of oxygen consumption
Schindler, A., Scheeren, T., Picker, O., Doehn, M. & Tarnow, J., Mar-2003, In: British Journal of Anaesthesia. 90, 3, p. 281-290 10 p.

Partial liquid ventilation: effects of positive end-expiratory pressure on perfluorocarbon evaporation from the lungs of anesthetized dogs
Loer, S., Schwarte, L., Pakulla, M., Picker, O. & Scheeren, T., Mar-2003, In: Intensive Care Medicine. 29, 3, p. 467-470 4 p.

Perioperative Optimierung der Sauerstoffversorgung: Steigerung des Herzzeitvolumens
Scheeren, T., 31-Jan-2003.

Kardiozirkulatorische Störungen bei rückenmarksnahen Leitungs-anästhesien
Scheeren, T., 29-Jan-2003.

Der besondere Fall - Anästhesie
Scheeren, T., 20-Jan-2003.

Simultaneous assessment of microvascular oxygen saturation and laser-doppler flow in gastric mucosa
Fournell, A., Scheeren, T. & Schwarte, L., 2003, *OXYGEN TRANSPORT TO TISSUE XXV.* Thorniley, M., Harrison, D. & James, P. (eds.). Kluwer Academic/Plenum Publishers, p. 47-53 7 p. (ADVANCES IN EXPERIMENTAL MEDICINE AND BIOLOGY; vol. 540).

Partielle Flüssigkeitsbeatmung - Einfluss des end-exspiratorischen Atemwegsdruckes auf die Perfluorkarbonelimination bei Hunden.
Pakulla, M., Schwarte, L. A., Picker, O., Scheeren, T. & Loer, S. A., 14-Nov-2002, p. 22.

In Somno Securitas: Kongressbericht
Hartmann, M., Holthusen, H., Loer, S. A., Müller, E., Preckel, B., Scheeren, T., Schlack, W. & Tarnow, J., Nov-2002, In: Deutsches Ärzteblatt. 99, 48, p. A3272-A3276 5 p.

Pathogenese, Therapie und Prophylaxe kardiozirkulatorischer Störungen bei rückenmarksnahen Leitungsanästhesien: Was ist gesichert, was ist neu?
Scheeren, T., 29-Oct-2002.

Pathogenese, Therapie und Prophylaxe kardiozirkulatorischer Störungen bei rückenmarksnahen Leitungsanästhesien: Was ist gesichert, was ist neu?
Scheeren, T., 28-Oct-2002.

Der besondere Fall - Anästhesie
Scheeren, T., 21-Oct-2002.

Interaction between endogenous nitric oxide and vasopressin during high epidural anaesthesia in dogs
Scheeren, T., Schindler, A. W., Schwarte, L. A. & Picker, O., 1-Oct-2002, p. S77.

Clinical evaluation of reflectance spectrophotometry for the measurement of gastric microvascular oxygen saturation in patients undergoing cardiopulmonary bypass
Fournell, A., Schwarte, L., Scheeren, T., Kindgen-Milles, D., Feindt, P. & Loer, S., Oct-2002, In: Journal of cardiothoracic and vascular anesthesia. 16, 5, p. 576-581 6 p.

Dopamine under alpha-1 blockade, but not fenoldopam, increases gastromucosal oxygenation during PEEP
Schwarte, L., Picker, O., Schindler, A., Fournell, A. & Scheeren, T., Sept-2002, In: Intensive Care Medicine. 28, p. S126-S126 1 p.

Interaction between endogenous nitric oxide and vasopressin during high epidural anesthesia in dogs
Scheeren, T., Schindler, A., Schwarte, L. & Picker, O., Sept-2002, In: Intensive Care Medicine. 28, p. S77-S77 1 p.

Assessment of gastric microvascular oxygen saturation in healthy volunteers breathing continuous positive airway pressure
Fournell, A., Scheeren, T. & Schwarte, L. A., 26-Aug-2002.

Der besondere Fall - Anästhesie
Scheeren, T., 8-Jul-2002, p. 43.

Effekte und Wirkmechanismen von Fenoldopam und Dopamin auf die Magenschleimhaut-Oxygenierung unter Beatmung mit positivem Atemwegsdruck
Schwarte, L. A., Schindler, A. W., Picker, O., Fournell, A. & Scheeren, T., 25-Jun-2002, p. 208.

Interaktionen von endogenem NO und Vasopressin während hoher Periduralanästhesie am wachen Hund
Scheeren, T., Schindler, A. W., Schwarte, L. A. & Picker, O., 25-Jun-2002, p. 136.

Der durch Inhalationsanästhetika ausgelöste Herzfrequenzanstieg ist keine Reflextachyhardie
Schindler, A. W., Picker, O., Schwarte, L. A. & Scheeren, T., 24-Jun-2002, p. 119.

Desfluran erzeugt Tachykardien unabhängig vom Sympathikus
Picker, O., Schwarte, L. A., Schindler, A. W. & Scheeren, T., 24-Jun-2002, p. 119.

Der besondere Fall - Anästhesie
Scheeren, T., 29-Apr-2002.

Alfentanil vs. remifentanil for awake craniotomy
Scheeren, T. & Holthusen, H., 9-Apr-2002, p. 90-91. 2 p.

Fenoldopam, but not dopamine selectively increases the microvascular oxygenation of the gastric mucosa in dogs
Schwarte, L. A., Schindler, A. W., Picker, O., Fournell, A. & Scheeren, T., 9-Apr-2002, p. 57.

Increasing intraabdominal pressure by intraperitoneal insufflation of CO2 attenuates gastric mucosal oxygen saturation in patients
Fournell, A., Scheeren, T., Lorenz, C., de Bruyne, F. & Schwarte, L. A., 9-Apr-2002, p. 58.

L-NAME prevents hypotension and maintains baroreflex sensitivity during epidural anaesthesia
Schindler, A. W., Picker, O., Swak, C. & Scheeren, T., 9-Apr-2002, p. 94.

L-NAME restores baroreflex sensitivity during epidural anaesthesia
Beck, C., Picker, O., Schindler, A. W. & Scheeren, T., 8-Apr-2002, p. 53.

Desflurane elicits tachycardia independent of the sympathetic nervous system
Picker, O., Schindler, A. W., Schwarte, L. A. & Scheeren, T., 6-Apr-2002, p. 41.

Inhalation anaesthetics elicit tachycardia despite preventing hypotension
Warkus, S., Picker, O., Scheeren, T., Schindler, A. W. & Thämer, V., 6-Apr-2002, p. 43.

Dopexamine but not dopamine increases gastric mucosal oxygenation during mechanical ventilation in dogs
Scheeren, T., Schwarte, L., Loer, S., Picker, O. & Fournell, A., Apr-2002, In: Critical Care Medicine. 30, 4, p. 881-887 7 p.

Xenon increases total body oxygen consumption during isoflurane anaesthesia in dogs
Picker, O., Schindler, A., Schwarte, L., Preckel, B., Schlack, W., Scheeren, T. & Thämer, V., Apr-2002, In: British Journal of Anaesthesia. 88, 4, p. 546-554 9 p.

Der besondere Fall: Anästhesie bei MRT-Untersuchungen
Scheeren, T. & Auge, S., 13-Mar-2002.

Pathogenese, Therapie und Prophylaxe kardiozirkulatorischer Störungen: Was ist gesichert, was ist neu?
Scheeren, T., 1-Mar-2002.

Effekte und Wirkmechanismen von Fenoldopam und Dopamin auf die Magenschleimhaut-Oxygenierung unter Beatmung mit positivem Atemwegsdruck
Schwarte, L. A., Schindler, A. W., Picker, O., Fournell, A. & Scheeren, T., 22-Feb-2002, p. 667.

Der besondere Fall - Anästhesie
Scheeren, T., 21-Jan-2002.

Endogenous endothelin and vasopressin support blood pressure during epidural anesthesia in conscious dogs
Picker, O., Schindler, A. & Scheeren, T., Dec-2001, In: Anesthesia and Analgesia. 93, 6, p. 1580-1586 7 p.

Blutflussmessung in Anästhesie und Intensivmedizin: physiologische Grundlagen und neue Aspekte der Anwendung
Scheeren, T., 17-Nov-2001.

Der besondere Fall - Anästhesie
Scheeren, T., 5-Nov-2001.

Inhalation anaesthetics increase heart rate by decreasing cardiac vagal activity in dogs
Picker, O., Scheeren, T. & Arndt, J., Nov-2001, In: British Journal of Anaesthesia. 87, 5, p. 748-754 7 p.

Monitoring microvascular oxygenation of the gastric mucosa: experimental interventions and clinical observations
Scheeren, T., 29-Sept-2001.

Kopplung von Sauerstoffverbrauch und Sauerstoffangebot: Neue Aspekte in der Katecholamintherapie
Scheeren, T., 24-Sept-2001.

Neue Aspekte in der Katecholamintherapie
Scheeren, T., 17-Sept-2001.

Fenoldopam, but not dopamine selectively increases the microvascular oxygenation of the gastric mucosa in dogs
Schwarte, L., Schindler, A., Picker, O., Fournell, A. & Scheeren, T., Sept-2001, In: Intensive Care Medicine. 27, p. S190-S190 1 p.

Der besondere Fall - Anästhesie
Scheeren, T., 27-Aug-2001.

Gastric mucosal oxygen saturation assessed by reflectance spectrophotometry in patients during increased intraperitoneal pressure for diagnostic laparoscopy
Schwarte, L. A., Scheeren, T., Lorenz, C., de Bruyne, F. & Fournell, A., 15-Aug-2001.

Nitric oxide synthases in vagal neurons are crucial for the regulation of heart rate in awake dogs
Picker, O., Scheeren, T. & Arndt, J., Jul-2001, In: Basic Research in Cardiology. 96, 4, p. 395-404 10 p.

Alfentanil vs. Remifentanil bei Wacheingriffen in der Neurochirurgie
Scheeren, T., Weber, F. & Holthusen, H., 16-Jun-2001, p. 466.

Endothelin und Vasopressin stabilisieren den Blutdruck während Periduralanästhesie
Scheeren, T., 16-Jun-2001, p. 527.

Fenoldopam, nicht aber Dopamin steigert selektiv die Oxygenierung der Magenmukosa
Schwarte, L. A., Schindler, A., Picker, O., Scheeren, T. & Fournell, A., 15-Jun-2001, p. 459.

L-Name zur Prophylaxe von Kreislaufkomplikationen während Periduralanästhesie
Schindler, A., Picker, O., Ni, W., Swak, C. & Scheeren, T., 15-Jun-2001, p. 462.

Xenon steigert den Sauerstoffverbrauch anästhesierter Hunde
Picker, O., Schindler, A., Schwarte, L. A., Preckel, B., Schlack, W., Scheeren, T. & Thämer, V., 15-Jun-2001, p. 517.

L-Name steigert die herabgesetzte Empfindlichkeit des Baroreflexes unter Periduralanästhesie
Beck, C., Ni, W., Schindler, A. W., Picker, O. & Scheeren, T., 14-Jun-2001, p. 496.

New Aspects in Catecholamine Therapy: Global and regional effects of catecholamines, particularly on the splanchnic region
Scheeren, T., 8-Jun-2001.

Der besondere Fall - Anästhesie
Scheeren, T., 21-May-2001.

Meßwiederholungen in der Medizin
Scheeren, T. & Picker, O., 10-May-2001.

Accuracy of oxygen consumption measurement with a closed circuit anaesthesia circuit
Schindler, A., Picker, O., Krossa, M., Scheeren, T. & Doehn, M., 10-Apr-2001, p. 77.

Xenon increases total body oxygen consumption
Picker, O., Schindler, A., Schwarte, L. A., Preckel, B., Schlack, W., Scheeren, T. & Thaemer, V., 9-Apr-2001, p. 45.

Endothelin and vasopressin support blood pressure during epidural anaesthesia in conscious dogs
Picker, O., Schindler, A. & Scheeren, T., 1-Apr-2001, p. 28.

Determination of total blood volume by indicator dilution: a comparison of mean transit time and mass conservation principle
Picker, O., Wietasch, G., Scheeren, T. W. L. & Arndt, J. O., Apr-2001, In: Intensive Care Medicine. 27, 4, p. 767-774 8 p.

Einfluß von Endothelin und Vasopressin auf den Blutdruck während Periduralanästhesie bei wachen Hunden
Picker, O., Schindler, A. W. & Scheeren, T., 17-Feb-2001, p. 873-874. 2 p.

Fenoldopam, nicht aber Dopamin steigert selektiv die Oxygenierung der Magenschleimhaut
Schwarte, L. A., Schindler, A. W., Picker, O., Fournell, A. & Scheeren, T., 16-Feb-2001, p. 849.

Katecholamine und regionale Durchblutung
Scheeren, T., 8-Feb-2001, p. 215-217. 3 p.

Kopplung von Herzzeitvolumen bzw. systemischem O2-Transport und Metabolismus unter Katecholamintherapie
Picker, O. & Scheeren, T., Feb-2001, In: Anästhesiologie · Intensivmedizin · Notfallmedizin · Schmerztherapie. 36, 2, p. 90-99 10 p.

Different response of oxygen consumption and cardiac output to various endogenous and synthetic catecholamines in awake dogs
Scheeren, T. & Arndt, J., Dec-2000, In: Critical Care Medicine. 28, 12, p. 3861-3868 8 p.

Bleibt die metabolische Kreislaufregulation während Inhalationsanästhesie erhalten? Welche Bedeutung haben in diesem Zusammenhang die modernen Inhalationsanästhetika?
Scheeren, T., 18-Nov-2000.

Continuous positive airway pressure during spontaneous ventilation attenuates gastric mucosal oxygenation
Fournell, A., Schwarte, L. A., Wenzel, F., Picker, O. & Scheeren, T., 4-Oct-2000, p. S343.

Different response of oxygen consumption and cardiac output to catecholamines in dogs
Scheeren, T. & Arndt, J. O., 4-Oct-2000, p. S362.

Simultaneous, endoscopic measurement of microvascular oxygen saturation and laser-doppler flow in gastric mucosa
Fournell, A., Wenzel, F., Scheeren, T. & Schwarte, L. A., 21-Aug-2000.

Water vapour in a closed anaesthesia circuit reduces degradation/adsorption of halothane by dried soda lime
Schindler, A., Vorweg, M., Scheeren, T. & Doehn, M., Aug-2000, In: British Journal of Anaesthesia. 85, 2, p. 308-310 3 p.

Neue Aspekte in der Katecholamintherapie: Gibt es Gründe für die Anwendung von Dopexamin
Scheeren, T., 30-May-2000.

Accuracy and reproducibility of long-term implanted transit-time ultrasound flow probes in dogs
Picker, O., Schindler, A. & Scheeren, T., May-2000, In: Intensive Care Medicine. 26, 5, p. 601-607 7 p.

Die Herzfrequenz während Inhalationsanästhesie wird bestimmt durch substanzspezifische Vagus hemmung
Picker, O., Scheeren, T. & Arndt, J. O., May-2000, p. 379.

Genauigkeit und Reproduzierbarkeit von Ultraschall-Transitzeit- Flussaufnehmern in der Langzeitanwendung
Schindler, A., Picker, O. & Scheeren, T., May-2000, p. 418.

Messung des Sauerstoffverbrauchs im geschlossenen Anästhesiesystem: Genauigkeit im Modell und in vivo
Schindler, A., Krossa, M., Picker, O. & Scheeren, T., May-2000, p. 367.

Differenzierter Einsatz von Katecholaminen: hat Dopexamin Vorteile?
Scheeren, T., 1-Apr-2000.

Accuracy and reproducibility of long-term implanted transit-time ultrasound flow probes in dogs
Schindler, A., Picker, O. & Scheeren, T., Apr-2000, p. A80.

Beziehung zwischen Herzminutenvolumen und Sauerstoffverbrauch bei Inhalationsanästhesien und unter dem Einfluß von Katecholaminen
Scheeren, T., Apr-2000, In: Anästhesiologie · Intensivmedizin · Notfallmedizin · Schmerztherapie. 35, 4, p. 214-219 6 p.

Halothane degradation by dried soda lime is reduced in a closed anaesthesia circuit
Schindler, A., Vorweg, M., Scheeren, T. & Doehn, M., Apr-2000, p. A134.

Transit time approach and indicator distribution for the bedside assessment of blood volume: accuracy and reproducibility
Picker, O., Wietasch, G. & Scheeren, T., Apr-2000, p. A79.

Differenzierter Einsatz von Katecholaminen: hat Dopexamin Vorteile?
Scheeren, T., 23-Feb-2000.

Neue Aspekte in der Katecholamintherapie: Gibt es Gründe für die Anwendung von Dopexamin?
Scheeren, T., 9-Feb-2000.

Bleibt die metabolische Kreislaufregulation während Anästhesie funktionsfähig
Scheeren, T., 1-Dec-1999.

Effects of pulmonary blood volume on vascular reactivity in the lung
Ding, Z., Scheeren, T. & Arndt, J., Dec-1999, In: Intensive Care Medicine. 25, 12, p. 1413-1420 8 p.

Hilft Sauerstoff im Überfluss? Möglichkeiten und Grenzen der hyperbaren Oxygenierung
Scheeren, T., 5-Nov-1999.

Metabolic regulation of cardiac output during inhalation anaesthesia in dogs - Reply
Scheeren, T., Schwarte, L. & Arndt, J., Nov-1999, In: Acta Anaesthesiologica Scandinavica. 43, 10, p. 1086-1086 1 p.

Cardiopulmonary bypass reduces mucosal oxygenation in patients undergoing artery bypass grafting
Fournell, A., Schwarte, L. A., Scheeren, T., Feindt, P., Loer, S. A. & Tarnow, J., 5-Oct-1999, p. S78.

Determination of total blood volume by mean transit time and indicator distribution
Picker, O., Wietasch, G. & Scheeren, T., 5-Oct-1999, p. S104.

Dopamine, dopexamine and splanchnic oxygenation: which drug, which dose, which mechanism
Scheeren, T., Loer, S. A., Picker, O., Schwarte, L. A. & Fournell, A., 4-Oct-1999, p. S21.

Continuous monitoring of gastric mucosal oxygenation during cardiopulmonary bypass
Fournell, A., Schwarte, L. A., Scheeren, T., Feindt, P. & Loer, S. A., Aug-1999.

L-NAME evokes bradycardia by vagal activation in awake dogs
Picker, O., Scheeren, T. & Arndt, J., Jun-1999, In: British Journal of Anaesthesia. 82, p. 59-59 1 p.

Pulmonary blood volume is independent of vasomotor tone but determines the effectiveness of vasomotor tone on flow resistance
Ding, Z., Scheeren, T. & Arndt, J., Jun-1999, In: British Journal of Anaesthesia. 82, p. 65-65 1 p.

Role of beta(2)-Adrenoceptors in Dopexamine-induced increases in the splanchnic oxygenation in anaesthetized dogs
Scheeren, T., Loer, S., Schwarte, L., Picker, O. & Fournell, A., Jun-1999, In: British Journal of Anaesthesia. 82, p. 42-42 1 p.

Role of ß2-Adrenoceptors in Dopexamine-induced increases in the splanchnic oxygenation in anaesthetized dogs
Scheeren, T., Loer, S. A., Schwarte, L. A., Picker, O. & Fournell, A., 30-May-1999, p. 42.

Dopexamin steigert die Oxygenierung der Magenschleimhaut über ß2-Adrenozeptorstimulation
Scheeren, T., Loer, S. A., Picker, O., Schwarte, L. A. & Fournell, A., 7-May-1999, p. 380.

Vergleich von Indikatorverteilungs- und Transitzeitverfahren zur Blutvolumenbestimmung
Picker, O., Wietasch, G. & Scheeren, T., 5-May-1999, p. 341.

Metabolic regulation of cardiac output during inhalation anaesthesia in dogs
Scheeren, T., Schwarte, L. & Arndt, J., Apr-1999, In: Acta Anaesthesiologica Scandinavica. 43, 4, p. 421-430 10 p.

Does bronchial thermodilution allow estimation of cardiac output?
Loer, S., Wietasch, J. & Scheeren, T., Feb-1999, In: Intensive Care Medicine. 25, 2, p. 211-215 5 p.

Metabolic regulation of cardiac output during inhalation anaesthesia in dogs [1] (multiple letters)
Prys-Roberts, C., Scheeren, T. W. L., Schwarte, L. A. & Arndt, J. O., 1999, In: Acta Anaesthesiologica Scandinavica. 43, 10, p. 1084-1086 3 p.

Physiologie und Pathophysiologie der Lungenfunktion
Scheeren, T., 10-Nov-1998, p. 47.

Beatmung mit positivem endexspiratorischem Druck (PEEP) vermindert die Oxygenierung der Magenschleimhaut auch nach Aufhebung der negativen Kreislaufeffekte
Schwarte, L. A., Scheeren, T. & Fournell, A., 3-Oct-1998.

The potential of tissue lightguide spectrophotometry to monitor gastric mucosal oxygenation during mechanical ventilation
Fournell, A. & Scheeren, T., 2-Oct-1998, p. 624.

Pulmonary vascular tone alters flow resistance but not central blood volume
Scheeren, T., Wietasch, G. J. K. & Arndt, J., Sept-1998, In: Anesthesiology. 89, 3A, p. U288-U288 1 p.

Estimation of lung oxygen consumption
Loer, S., Scheeren, T. & Tarnow, J., Aug-1998, In: Acta Anaesthesiologica Scandinavica. 42, 7, p. 880-880 1 p.

Pulmonary vascular tone does not affect central blood volume
Scheeren, T., Wietasch, G. & Arndt, J. O., 27-Apr-1998, p. 68.

Impact of ventilation with positive end-expiratory pressure on splanchnic oxygenation
Fournell, A., Schwarte, L. A. & Scheeren, T., 25-Apr-1998, p. 54.

Errors in measurement of oxygen and carbon dioxide concentrations by the DeltatracII metabolic monitor in the presence of desflurane
Scheeren, T., Krossa, M., Meriläinen, P. & Arndt, J., Apr-1998, In: British Journal of Anaesthesia. 80, 4, p. 521-524 4 p.

Der Lungengefäßtonus beeinflußt den Strömungswiderstand, nicht aber das zentrale Blutvolumen
Scheeren, T. & Wietasch, G., 21-Feb-1998, In: Anaesthesist. 47, 10, p. 869-870 2 p.

Pulmonary blood volume and its effects on pressure/flow relations and flow resistance in isolated lungs of rabbits
Scheeren, T., Loer, S., Ding, Z. & Arndt, J., Jan-1998, In: Pflugers archiv-European journal of physiology. 435, 2, p. 247-253 7 p.

Estimation of lung oxygen consumption (multiple letters) [1]
Loer, S. A., Scheeren, T. W. L., Tarnow, J., Takala, J. & Hansen, H., 1998, In: Acta Anaesthesiologica Scandinavica. 42, 7 , p. 881-882 2 p.

Peep decreases oxygenation of the intestinal mucosa despite normalization of cardiac output
Fournell, A., Scheeren, T. & Schwarte, L., 1998, *OXYGEN TRANSPORT TO TISSUE XX.* Hudetz, A. & Bruley, D. (eds.). Plenum Press, p. 435-440 6 p. (ADVANCES IN EXPERIMENTAL MEDICINE AND BIOLOGY; vol. 454).

Erratum: Interaction between haematocrit and pulmonary blood volume on pulmonary vascular flow resistance and pressure-flow relationships

Loer, S. A., Scheeren, T. W. L. & Peters, J., Dec-1997, In: Intensive care medicine. 23, 12, p. 1285 1 p.

Herzzeitvolumen und O2-Verbrauch bei kombinierter Anwendung von Katecholaminen am Hund
Scheeren, T. & Arndt, J. O., 27-Nov-1997, p. 41.

Interaction between haematocrit and pulmonary blood volume on pulmonary vascular flow resistance and pressure-flow relationships
Loer, S. A., Scheeren, T. W. L. & Peters, J., Oct-1997, In: Intensive Care Medicine. 23, 10, p. 1082-1088 7 p.

Bronchial temperature as a key to the interior pulmonary capillary bed of anaesthetized dogs
Loer, S., Scheeren, T. & Arndt, J., Sept-1997, In: Intensive Care Medicine. 23, 9, p. 951-954 4 p.

Determination of total blood volume (TBV) from cardiac output and mean circulation time: Accuracy and reproducebility
Wietasch, G., Scheeren, T., Hoeft, A. & Arndt, J., Sept-1997, In: Anesthesiology. 87, 3, p. A588-A588 1 p.

PEEP decreases oxygenation of the intestinal mucosa despite normalization of cardiac output
Fournell, A., Scheeren, T. & Schwarte, L. A., 22-Aug-1997.

Effects of Dopamine and Dopexamine on the Splanchnic Oxygenation in Anesthetized dogs
Scheeren, T., Schwarte, L. A. & Fournell, A., 3-Jul-1997.

Effects of Dopamine and Dopexamine on the Splanchnic Oxygenation in Anesthetized dogs
Scheeren, T., Schwarte, L. A. & Fournell, A., 19-May-1997, p. A399.

Einfluß von Dopamin und Dopexamin auf die Oxygenierung der Magenschleimhaut bei anästhesierten Hunden
Scheeren, T., Schwarte, L. A. & Fournell, A., 25-Apr-1997, p. S163.

How much oxygen does the human lung consume?
Loer, S., Scheeren, T. & Tarnow, J., Mar-1997, In: Anesthesiology. 86, 3, p. 532-537 6 p.

Prostacyclin (PGI2): New aspects of an old substance in the treatment of critically ill patients
Scheeren, T. & Radermacher, P., Feb-1997, In: Intensive Care Medicine. 23, 2, p. 146-158 13 p.

Oxygenation of the intestinal mucosa in anaesthetized dogs is attenuated by Intermittent Positive Pressure Ventilation (IPPV) with Positive End-Expiratory Pressure (PEEP)
Fournell, A., Scheeren, T. & Schwarte, L., 1997, *OXYGEN TRANSPORT TO TISSUE XIX*. Harrison, D. & Delpy, D. (eds.). 1 ed. New York: Plenum Press, p. 385-389 5 p. (ADVANCES IN EXPERIMENTAL MEDICINE AND BIOLOGY; vol. 428).

Effects of various inhalation anaesthetics on the relation between oxygen consumption and cardiac output in dogs
Scheeren, T., Schwarte, L. A. & Arndt, J. O., 7-Nov-1996, p. 13.

Effects of PEEP and catecholamines on the splanchnic oxygenation in anaesthetized dogs
Scheeren, T., Schwarte, L. A. & Fournell, A., 27-Sept-1996, p. S441.

Effects of different catecholamines on the relationship between cardiac output and oxygen consumption in awake and anaesthetized dogs
Scheeren, T. & Arndt, J. O., 26-Sept-1996, p. S292.

Intermittent positive pressure ventilation (IPPV) with positive end expiratory pressure (PEEP) reduces the oxygenation of the intestinal mucosa in dogs
Scheeren, T. & Fournell, A., 10-Sept-1996, p. 377s.

Bronchialtemperatur als Schlüssel zu prä- und postkapillären Transitzeiten beim Hund
Loer, S. A. & Scheeren, T., 23-Jun-1996, p. A123.

Zusammenhang von Sauerstoffverbrauch und Herzminutenvolumen in Narkose
Scheeren, T., Schwarte, L. A. & Arndt, J. O., 22-Jun-1996, p. A135.

Relation between oxygen consumption and cardiac output during inhalation anaesthesia in dogs
Scheeren, T., Schwarte, L. A. & Arndt, J. O., 3-Jun-1996, p. 37.

Relation between oxygen consumption and cardiac output during inhalation anaesthesia in dogs
Scheeren, T., Schwarte, L. & Arndt, J., Jun-1996, In: British Journal of Anaesthesia. 76, p. A116-A116 1 p.

Anpassung des Herzminutenvolumens an den Sauerstoffverbrauch in Narkose mit verschiedenen Inhalationsanästhetika an Hunden
Scheeren, T., Schwarte, L. A. & Arndt, J. O., 23-Feb-1996, p. 1215-1216. 2 p.

Pulmonales Blutvolumen und seine Bedeutung für die Druck- und Strömungsverhältnisse der isolierten Lunge
Scheeren, T. & Arndt, J. O., 27-Jan-1996.

Dopexamindihydrochlorid: Pharmakologische Eigenschaften und theoretische Grundlagen der Wirksamkeit
Scheeren, T., 1996, *Diagnostische und therapeutische Aspekte zur Hepato-Splanchnicus Durchblutung.* Boldt, J. (ed.). Hamburg: Wissenschaftsverlag Wellingsbüttel, p. 22-30 9 p. (Studienreihe).

Einfluß verschiedener Katecholamine auf die Beziehung zwischen Herz-Minutenvolumen und Sauerstoffverbrauch bei wachen Hunden
Scheeren, T. & Arndt, J. O., 8-Dec-1995, p. 35.

Discussion on cancer therapy attempting a critical examination
Konrad, R. M., Reichel, M. & Scheeren, T., 21-Oct-1995.

Does a correlation exist between clinical findings and the immuno state after influencing the NK cell status with immuno modulators in cases of advanced cancer?
Reichel, M., Konrad, R. M. & Scheeren, T., 21-Oct-1995.

Dopexaminhydrochlorid: Pharmakologische Eigenschaften und theoretische Grundlagen der Wirksamkeit
Scheeren, T., 14-Oct-1995.

Einfluß von Desfluran und Halothan auf die hypoxische pulmonale Vasokonstriktion
Loer, S. A., Scheeren, T. & Tarnow, J., 6-Sept-1995, p. S358.

Beziehung zwischen Herz-Minuten-Volumen und Sauerstoffverbrauch unter dem Einfluß verschiedener Katecholamine bei wachen Hunden
Scheeren, T. & Arndt, J. O., 5-Sept-1995, p. S383.

Desflurane inhibits hypoxic pulmonary vasoconstriction in isolated rabbit lungs.
LOER, S., SCHEEREN, T. & TARNOW, J., Sept-1995, In: Anesthesiology. 83, 3, p. 552-556 5 p.

Beeinflussung des Immunstatus durch organobiologische Substanzen
Konrad, R. M., Reichel, M. & Scheeren, T., 6-May-1995.

Bronchiale Thermodilution zur Bestimmung prä- und postkapillärer Transitzeiten
Loer, S. A., Scheeren, T. & Arndt, J. O., 23-Mar-1995, p. S119.

Einfluß von Desfluran und Halothan auf die hypoxische pulmonale Vasokonstriktion
Loer, S. A., Scheeren, T. & Arndt, J. O., 23-Mar-1995, p. S119.

Endogenous and synthetic catecholamines and their effects on the cardiac output/oxygen consumption relation in awake dogs
Scheeren, T., 22-Mar-1995, p. 107.

The interplay between blood volume, flow, and blood pressure in isolated lungs of rabbits
Scheeren, T., Loer, S. A. & Arndt, J. O., 10-Mar-1995, p. R130.

Die Wirkung von Organotherapeutika in der Onkologie.
Konrad, R. M., Reichel, M. & Scheeren, T., 1995, *Kombinierte Tumortherapie: Grundlagen, Möglichkeiten und Grenzen adjuvanter Methoden.* Wrba, H. (ed.). 2 ed. Stuttgart: Hippokrates Verlag, p. 221-245 25 p.

Anpassung des Herz-Minuten-Volumens an den Sauerstoffverbrauch unter dem Einfluß verschiedener Katecholamine
Scheeren, T. & Arndt, J. O., 6-Dec-1994.

Möglichkeiten der Bestimmung der O2-Aufnahme: Fick´sches Prinzip versus indirekte Kalorimetrie
Scheeren, T., 28-Nov-1994.

Intraoperative Thrombolyse mit rt-PA bei massiver Lungenembolie während venöser Thrombektomie
Scheeren, T. W. L., Hopf, H.-B. & Peters, J., Nov-1994, In: Anästhesiologie · Intensivmedizin · Notfallmedizin · Schmerztherapie. 29, 7, p. 440-445 6 p.

Beeinflussung des NK-Zellstatus von Krebspatienten durch Immunmodulatoren
Reichel, M., Scheeren, T. & Konrad, R. M., 22-Oct-1994.

Stable isotopes and indirect calorimetry for the analysis of glucose metabolism and the effects of prostacyclin in patients with sepsis
Scheeren, T., Susanto, F., Reinauer, H., Tarnow, J. & Radermacher, P., 11-Sept-1994, p. 51.

Bronchial thermodilution as a means to determine pre- and postcapillarytransit times
Loer, S. A., Scheeren, T. & Arndt, J. O., 10-Sept-1994, p. 40.

Effects on pulmonary vascular flow resistance of viscosity and pulmonary vascular blood content
Scheeren, T., 8-Sept-1994, p. 514-515. 2 p.

Prostacyclin improves glucose-utilization in patients with sepsis.
SCHEEREN, T., SUSANTO, F., REINAUER, H., TARNOW, J. & RADERMACHER, P., Sept-1994, In: Journal of Critical Care. 9, 3, p. 175-184 10 p.

Pulmonary vascular flow resistance is only slightly influenced by hematocrit but markedly by pulmonary vascular blood content.
LOER, S., SCHEEREN, T. & PETERS, J., Sept-1994, In: Anesthesiology. 81, 3A, p. A708-A708 1 p.

Der pulmonalvaskuläre Strömungswiderstand hängt kaum vom Hämatokrit aber wesentlich von der Gefäßfüllung ab
Loer, S., Scheeren, T. & Arndt, J. O., 15-Jun-1994, p. S189.

Einfluß des intrapulmonalen Blutvolumens auf Druckgradienten und Strömungswiderstand der isolierten Lunge
Scheeren, T., Loer, S. & Arndt, J. O., 15-Jun-1994, p. S188.

Intraoperative thrombolytic therapy with rt-PA in patients with life-threatening pulmonary embolism
Scheeren, T., Hopf, H. B. & Peters, J., 17-Mar-1994, p. 11.

Volumen-Druck-Flußbeziehung an der isolierten Kaninchenlunge: Bedeutung der intrapulmonalen Gefäßfüllung
Scheeren, T. & Loer, S., 19-Feb-1994, p. 813-813. 1 p.

Treatment of sepsis: a new look at prostacyclin.
Radermacher, P., Scheeren, T. & Weiss, M., 1994, *Yearbook of Intensive Care and Emergency Medicine 1994*. Vincent, J.-L. (ed.). Springer Berlin Heidelberg, Vol. 1994. p. 48-53 6 p. (Yearbook of Intensive Care and Emergency Medicine 1994 ; vol. 1994).

Erfolgreiche Thrombolysetherapie bei intraoperativer massiver Lungenembolie
Scheeren, T., Hopf, H. B. & Peters, J., 25-Nov-1993, p. 455-456. 2 p.

Xeno therapy in tumour cases: experimental basic and clinical results
Scheeren, T., Reichel, M. & Konrad, R. M., 23-Oct-1993.

Tumorhemmende Wirkung von Organotherapeutika: Experimentelle Grundlagen und klinische Ergebnisse bei fortgeschrittenen Karzinomen
Scheeren, T., Reichel, M. & Konrad, R. M., 3-Oct-1993.

Perioperative thrombolytic therapy with rt-PA in patients with life-threatening pulmonary embolism
Scheeren, T. & Hopf, H. B., 24-Sept-1993.

Immunologische und wachstumshemmende Wirkung xenogener Gewebe beim Karzinom
Scheeren, T., 11-Sept-1993.

Immunologische Wirkung xenogener Gewebe beim Karzinom
Scheeren, T., Reichel, M. & Konrad, R. M., 8-May-1993.

Klinische Erfahrungen bei der Behandlung fortgeschrittener Karzinomerkrankungen mit xenogenen Fetalorganlysaten
Reichel, M., Scheeren, T. & Konrad, R. M., 8-May-1993.

Der Einfluß von Prostacyclin auf den Glukosestoffwechsel bei Sepsis
Scheeren, T., Radermacher, P., Reinauer, H., Susanto, F. & Tarnow, J., 19-Mar-1993, p. 69.

Intramucosale pH-Messung im Magen als parameter zur Beurteilung der Güte der Organperfusion
Scheeren, T., 17-Mar-1993.

Immunologische und wachstumshemmende Wirkung xenogener Gewebe beim Karzinom
Scheeren, T., Reichel, M. & Konrad, R. M., 1993, In: Med-Organica : internationale Zeitschrift für Molekular- und Zellbiologie, Matrixforschung, Organo- und Enzymtherapie, biologische Krebsabwehr. 17, p. 84-86 3 p.

Klinische Ergebnisse bei der Behandlung fortgeschrittener Karzinom-Erkrankungen mit xenogenem Fetalorgangewebe.
Reichel, M., Scheeren, T. & Konrad, R. M., 1993, In: Med-Organica : internationale Zeitschrift für Molekular- und Zellbiologie, Matrixforschung, Organo- und Enzymtherapie, biologische Krebsabwehr. 17, p. 87-88 2 p.

Der Einfluß von Prostacyclin auf den Glukosestoffwechsel bei Patienten mit Sepsis
Scheeren, T., Radermacher, P., Susanto, F., Reinauer, H. & Tarnow, J., 30-Sept-1992, p. S143.

Aufnahme und Verteilung volatiler Anästhetika
Scheeren, T., 1-Apr-1992.

GC- und IR-MS: Glucosemetabolismus bei Patienten mit Sepsis und Postaggressionssyndrom
Susanto, F., Scheeren, T., Radermacher, P., Santak, B., Tarnow, J., Humfeld, H. & Reinauer, H., 1991, p. 242.

Indikation und Technik der 1-Lungen-Anaesthesie
Scheeren, T., 31-Oct-1990.

Organotherapie in der Onkologie
Konrad, R. M., Michels-Giermanns, R., Scheeren, T. & Walter, F., 1989, In: Erfahrungsheilkunde - Acta Medica Empirica. 8, p. 467-472 6 p.

In vitro- und in vivo-Untersuchungen zur antitumoralen Wirkung foetaler Zellen
Konrad, R. M., Moog, R. & Scheeren, T., 1987, In: Cytobiologische Revue. 4, p. 147-154 8 p.