

BRAM DEWULF

PERSONAL INFORMATION

Name Bram Bernard Kristien Dewulf
Nationality Belg

Professional information

01-01-2014 - present
AZ Sint-Jan AV Brugge-Oostende Campus Brugge
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8000 Brugge
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CERTIFICATIONS

2014 Belgian Board of Emergency Medicine
2012 Belgian Board of Intensive Care Medicine
2011 Belgian Board of Anesthesiology
2006 Medical Degree, Magna cum Laude, Faculty of Medicine and Health Sciences, University of Ghent

RESIDENCIES

2012 - 2013 Postgraduate Emergency Medicine Residency, AZ Sint-Jan Bruges-Ostend AV, campus Sint-Jan
2011 - 2012 Postgraduate Critical Care Residency, AZ Sint-Jan Bruges-Ostend AV, campus Sint-Jan
2008 - 2011 MD Training in Anesthesiology, University Hospital Ghent
2006 - 2008 MD Training in Anesthesiology, OLV Hospital Campus Aalst

COURSES

Harvard Medical School Course 'Echocardiography for Intensivists and Emergency Medicine Clinicians', April 2013, Boston, USA
Interuniversity Postgraduate Course Intensive Care Medicine, 2011 - 2012
NYSORA's Annual Winter Symposium 'Four Ultrasound-Guided Nerve Blocks Every Anesthesiologist Should Know', December 2011, New York, USA
EACTA ECHO Accreditation and Advanced Echocardiography Course, September 2009, Loughborough, UK

PUBLICATIONS

MD Thomas De Corte; Laura Van Maele; Jona Dietvorst; Jarne Verhaeghe, Eng; Ann Vandendriessche, PhD; Nikolaas De Neve, MD; Sofie Vanderhaeghen, MD; Alexander Dumoulin, MD; Werner Temmerman, MD; Bram Dewulf, MD; Niels Van Regenmortel, MD; Yves Debaveye, MD, PhD; Femke Ongenaes, PhD; Sofie Van Hoecke, Eng, PhD; Jan De Waele, MD, PhD. Exploring Preconditions for the Implementation of Artificial Intelligence-based Clinical Decision Support Systems in the Intensive Care Unit – a Multicentric Mixed Methods Study. Journal of Critical Care, Manuscript Number JCRC-D-23-01415 "submitted"

B. Dewulf, L. Minsart, F. Verdonk, V. Kruys, M. Piagnerelli, M. Maze & S. Saxena. High mobility group box 1 (HMGB1): Potential target in sepsis-associated encephalopathy. *Cells* 2023, 12, 1088.

H. Schaubroeck, W. Vandenberghe, W. Boer, E. Boonen, B. Dewulf, C. Bourgeois, J. Dubois, A. Dumoulin, T. Fivez, J. Gunst, G. Hermans, P. Lormans, P. Meersseman, D. Mesotten, B. Stessel, M. Vanhoof, G. De Vlieger & E. Hoste. Acute kidney injury in critical COVID-19: a multicenter cohort analysis in seven large hospitals in Belgium. *Crit Care* 26, 225 (2022).

Blomme L., Dewulf B., Vandycke C., Bourgeois M. Early continuous renal replacement therapy in severe metformin-associated lactic acidosis: effective, feasible and worthwhile. A case report. Abstract submitted for presentation on the Emirates Society of Emergency Medicine Conference (December 2018, Dubai, United Arab Emirates).

Steen E., Dewulf B., Müller N., Vandycke C., Vandekerckhove Y. Reducing system delay to definite care for STEMI patients, a simulation of two different strategies in the Brugge area (Belgium). Abstract accepted for presentation on ICEM 2015: International Conference on Emergency Medicine (February 2015, London, UK).

Dewulf B, Müller N, D'hooghe M, Vandycke C, Bourgeois M. Treatment of a decompression injury: a leap into the deep end? A case report and literature review. Abstract presented on the VIth Mediterranean Emergency Medicine Congress (September 2013, Marseille, France).

Dewulf B, Herck I, De Somer F, Francois K, Decruyenaere J. Bedside anti-Xa measurement for therapeutic assessment of a prophylactic anticoagulation regimen. Abstract presented on the 33rd International Symposium on Intensive Care and Emergency Medicine (March 2013, Brussels, Belgium).

Lecomte P, Cammu G, Coddens J, Nobels F, Dewulf B, Casselman F, Foubert L. Management of Tight Intraoperative Glycemic Control during Off-Pump Coronary Artery Bypass Surgery in Diabetic and Nondiabetic Patients. *J Cardiothor Vasc An* 2011; 25(6): 937-942.

Hendrickx JFA, Dewulf BB, De Mey N, Carette R, Deloof T, De Cooman S, De Wolf AM. Development and performance of a two step desflurane - O₂/N₂O fresh gas flow sequence. *J Clin Anest* 2008; 20(7): 501-507.

De Cooman S, De Mey N, Dewulf BB, Carette R, Deloof T, Sosnowski M, De Wolf A M, Hendrickx JF. Desflurane consumption during automated closed-circuit delivery is higher than when a conventional anesthesia machine is used with a simple vaporizer-O₂-N₂O fresh gas flow sequence. *BMC Anesthesiology* 2008; 8:4 (17 Juli 2008).

Thesis (2004): Extracorporele irradiatie van homogreffen bij limb-saving surgery van bottumoren.

NATIONAL AND INTERNATIONAL COMMUNICATIONS

Spoedechografie: stethoscoop van de 21ste eeuw ? Symposium Intensive Care and Emergency Medicine, May 2013, Artesis Hogeschool Antwerpen.

Perioperative cardiac complications in non-cardiac surgery. Meeting Hartcentrum, November 2013, AZ Sint-Jan Bruges-Ostend AV, campus Sint-Jan.

Primary Care meets Critical Medicine. LOK-meeting, January 2013, Roeselare.

Hyponatremia on ICU. Journal Club Intensive Care and Emergency Medicine, December 2012, AZ Sint-Jan Bruges-Ostend AV, campus Sint-Jan.

Premedicatie bij (cardio)chirurgie. Journal Club Anesthesiology, April 2009, University Hospital Ghent.

Maligne hyperthermie. Journal Club Anesthesiology, December 2007, OLV Hospital, campus Aalst.

Performance of a Two Step Desflurane-O₂/N₂O Fresh Gas Flow (FGF) Sequence: Part I. Model development. Poster session ASA Annual Meeting, Oktober 2007, San Francisco, USA.

Development and Performance of a Two Step Desflurane-O₂/N₂O Fresh Gas Flow Sequence. Research Meeting SARB, June 2007, Ghent, Belgium.

Anesthesie voor orthopedische chirurgie. Journal Club Anesthesiology, November 2006, OLV Hospital, campus Aalst.

CLINICAL RESEARCH EXPERIENCE

ICH-GCP certification oct 2022

SEPSIS ACT

A double blind, randomised, placebo-controlled, phase 2b/3 adaptive clinical trial investigating the efficacy and safety of selepressin as treatment for patients with vasopressor-dependent septic shock.

EVADE

A phase II Proof-of-concept study to evaluate the efficacy and safety of MEDI3902 in mechanically ventilated patients for the prevention of nosocomial pneumonia caused by *Pseudomonas aeruginosa*.

TRAIN

Transfusion strategies in acute brain injured patients: a prospective multicentre randomized interventional study.

SAATELLITE

A phase 2 randomised, double-blind, placebo-controlled, single-dose, dose-ranging study of the efficacy and safety of MEDI4893, a human monoclonal antibody against *Staphylococcus aureus* alpha toxin in mechanically ventilated adult subjects.

POSACO FLU

A phase IV, interventional, non-blinded, randomized controlled multicentre study of posaconazole prophylaxis for the prevention of influenza-associated aspergillosis (IAA) in critically ill patients.

BASILICUM study

Invasive pulmonary aspergillosis complicating influenza infection in critically ill patients: a prospective, observational multicentre case-control registration study.

SARPAC

A prospective, randomized, open-label, interventional study to investigate the efficacy of sargramostim (Leukine®) in improving oxygenation and short- and long-term outcome of COVID-19 patients with acute hypoxic respiratory failure.

COV-AID

A prospective, randomized, factorial design, interventional study to compare the safety and efficacy of combinations of blockade of interleukin-6 pathway and interleukin-1 pathway to best standard of care in improving oxygenation and short- and long-term outcome of COVID-19 patients with acute hypoxic respiratory failure and systemic cytokine release syndrome.

ZILU-COV

A prospective, randomized, open-label, interventional study to investigate the efficacy of complement C5 inhibition with Zilucoplan® in improving oxygenation and short- and long-term outcome of COVID-19 patients with acute hypoxic respiratory failure.

AKI IN COVID

Acute Kidney Injury in COVID-19 patients admitted to the ICU: a multicenter cohort analysis in 9 large hospitals in Belgium.