

<http://hdl.handle.net/1765/116524>



# Portfolio



Frank Grüne, MD, senior anesthesiologist  
 \* 12-10-1964 in Bremen, Germany

Erasmus MC                      f.grune@erasmusmc.nl  
 Department of                URL: <http://intranet.erasmusmc.nl/anesthesiologie/afdeling/>  
 Anesthesiology                [https://www.researchgate.net/profile/Frank\\_Gruene](https://www.researchgate.net/profile/Frank_Gruene)  
 PO Box 2040  
 3000CA Rotterdam NL

Promotor                        Prof. dr. Robert Jan Stolker (Erasmus MC, Rotterdam, NL)  
                                       Prof. dr. Andreas Weyland (UMC Oldenburg, D)

Copromotor                    Dr. Gerhard H. Visser (SEIN, Heemstede NL)

## ACTIVITIES

---

<i>Languages</i>	Dutch, English, German
<i>Scientific Memberships</i>	<ul style="list-style-type: none"> <li>• Deutsche Gesellschaft für Anästhesiologie und Intensivmedizin (DGAI) <a href="https://www.dgai.de">https://www.dgai.de</a></li> <li>• Dutch Association for Regional Anesthesia (DARA) <a href="https://www.dara-esra.nl">https://www.dara-esra.nl</a></li> <li>• European Society of Anaesthesiology (ESA) <a href="https://www.esahq.org">https://www.esahq.org</a></li> <li>• European Society of Regional Anaesthesia and Pain Therapy (ESRA) <a href="https://esraeurope.org/about/">https://esraeurope.org/about/</a></li> <li>• Gesellschaft für Qualitätsmanagement in der Gesundheitsversorgung (GQMG) <a href="https://www.gqmg.de">https://www.gqmg.de</a></li> <li>• Nederlandse Vereniging voor Anesthesiologie (NVA) <a href="https://www.anesthesiologie.nl">https://www.anesthesiologie.nl</a></li> <li>• Nederlandse Vereniging voor Medisch Onderwijs (NVMO) <a href="http://www.nvmo.nl">http://www.nvmo.nl</a></li> </ul>
<i>Reviewer for Scientific Journals</i>	British Journal for Surgery, British Journal for Anaesthesia, Digestive Surgery, Transplantation International.
<i>Interests</i>	Kendo, open water swimming, skiing, hiking, cycling

---

**PUBLICATIONS 2010 – 2018 (OTHER THAN PHD. THESIS)****Journal Publications (other than PhD. Thesis)**

	ETCS
<ul style="list-style-type: none"> <li>MC Kortekaas, MHN van Velzen, <u>F Grüne</u>, SP Niehof, RJ Stolker, FJPM Huygen: Small intra-individual variability of the pre-ejection period justifies the use of pulse transit time as approximation of the vascular transit. PLoS ONE 10/2018; 13(10): e0204105, DOI:10.1371/journal.pone.0204105</li> </ul>	1
<ul style="list-style-type: none"> <li>VGB Liem, SE Hoeks, <u>F Grüne</u>, KHJM Mol, FHIM Wesdorp, RJ Stolker, F van Lier: Prognostic value of postoperative high-sensitivity troponin T in patients with different stages of kidney disease undergoing noncardiac surgery. Brit J Anaesth 01/2018; 120(1): 84-93, DOI:10.1016/j.bja.2017.09.003</li> </ul>	1
<ul style="list-style-type: none"> <li>F van Lier, FHIM Wesdorp, VGB Liem, JW Potters, <u>F Grüne</u>, H Boersma, RJ Stolker, SE Hoeks: Association between postoperative mean arterial blood pressure and myocardial injury after noncardiac surgery. Brit J Anaesth 01/2018; 120(1): 77-83, DOI:10.1016/j.bja.2017.11.002</li> </ul>	0.5
<ul style="list-style-type: none"> <li>AS van Drumpt, HM Kroon, <u>F Grüne</u>, R van Thiel, MCW Spaander, BPL Wijnhoven, D Dos Reis Miranda: Surgery for a large tracheoesophageal fistula using extracorporeal membrane oxygenation. J Thorac Dis 09/2017; 9(9): E735-E738, DOI:10.21037/jtd.2017.08.03</li> </ul>	1
<ul style="list-style-type: none"> <li><u>F Grüne</u>, M Klimek: Cerebral blood flow and its autoregulation - when will there be some light in the black box? Brit J Anaesth 11/2017; 119(6): 1077-1079, DOI:10.1093/bja/aex355</li> </ul>	2
<ul style="list-style-type: none"> <li>AS van Drumpt, HM Kroon, <u>F Grüne</u>, R van Thiel, MCW Spaander, BPL Wijnhoven, D Dos Reis Miranda: Preoperative endoscopy demonstrating the position of the esophageal stent and demonstrating the large tracheoesophageal fistula reaching the carina after stent removal. AME Surgical Video Database DOI:10.21037/asvide.2017.423</li> </ul>	0.5

	ETCS
<ul style="list-style-type: none"> <li>AS van Drumpt, J van Bommel, SE Hoeks, <u>F Grüne</u>, T Wolvetang, J Bekkers, M ter Horst: The value of arterial pressure waveform cardiac output measurements in the radial and femoral artery in major cardiac surgery patients. BMC Anesthesiol. 2017; 17(1): 42, DOI:10.1186/s12871-017-0334-2</li> </ul>	1

- RA van de Graaf, F Grüne, SE Hoeks, S ten Raa, RJ Stolker, HJM. Verhagen, F van Lier. One-year follow-up after hybrid thoracoabdominal aortic repair: Potentially important issue for preoperative decision-making. *Vasc and Endovasc Surg* 2017; 51(1): 23-27, DOI:10.1177/1538574416683755 1
- J Hinz, A Mansur, GG Hanekop, A Weyland, AF Popov, JD Schmitto, F Grüne, M Bauer, S Kazmaier: Influence of isoflurane on the diastolic pressure-flow relationship and critical occlusion pressure during arterial CABG surgery: A randomized controlled trial. *PeerJ* 01/2016; 4(1): e1619, DOI:10.7717/peerj.1619 0.5
- J de Jonge, MDM. Kalisvaart, M van der Hoeven, J Epker, J de Haan, JNM IJzermans, F Grüne: Organspende nach Herz- und Kreislauftod. *Nervenarzt* 2016; 87(2): 150-160, DOI:10.1007/s00115-015-0066-9 1
- F Arshad, B Ickx, RT van Beem, W Polak, F Grüne, F Nevens, M Ilmakunna, AM Koivusalo, H Isoniemi, PFW Strengers, H Groen, HGD Hendriks, T Lisman, J Pirenne, RJ Porte: Prothrombin complex concentrate in the reduction of blood loss during orthotopic liver transplantation: PROTON-trial. *BMC Surgery* 2013; 13: 22, DOI:10.1186/1471-2482-13-22 1
- H Mijderwijk, S van Beek, M Klimek, HJ Duivenvoorden, F Grüne, R Stolker: Lorazepam does not improve the quality of recovery in day-case surgery patients: A randomised placebo-controlled clinical trial. *Eur J Anaesthesiol* 2013; 30(12): 743- 51, DOI:10.1097/EJA.0b013e328361d395 1
- BA Grotenhuis, BPL Wijnhoven, F Grüne, J van Bommel, HW Tilanus, JJB van Lanschot: Preoperative risk assessment and prevention of complications in patients with esophageal cancer. *J Surg Oncol* 2010; 101(3): 270 – 8, DOI:10.1002/jso.21471 1

12.5

---

## Book Chapters

ETCS

- A Weyland, F Grüne: Intraoperative Hypotension – na und?. DAAF Refresher Course Nr. 38/2012, 1 edited by Deutsche Akademie f. Anästhesiologische Fortbildung, 01/2012: chapter 6; Aktiv Druck & Verlag GmbH. ISBN: 978-3-932653-38-4 2
- F Grüne: Het inbrengen van een Larynxmasker (How to insert a laryngeal mask). *Procedures in de Spoedeisende Hulp*, 1 edited by I. M. Spaans, P. Machielse, K. J. Weststrate, 01/2010: Chapter 7; Bohn Stafleu van Loghum Houten. ISBN: 978 90 313 61267 1

- Frank Grüne: Rapid sequence induction, spoedintubatie. Procedures in de Spoedeisende Hulp, 1 edited by I. M. Spaans, P. Machielse, K. J. Weststrate, 01/2010: Chapter 11; Bohn Stafleu van Loghum Houten. ISBN: 978 90 313 61267 1
- Frank Grüne: Qualitätsmanagement - Projektmanagement und Prozessanalyse (Quality control - Project Management & Process Analysis). Gesundheitsökonomie, Management und Evidence based medicine, 3 edited by Karl Lauterbach, Markus Lungen, Matthias Schrappe, 01/2010: Chapter 15.2.2: Projektgruppenarbeit und Prozessanalyse; Schattauer GmbH, Stuttgart, Germany. ISBN: 978-3-7945-2576-8 2

6

## Conference Proceedings

### *Oral presentations*

	ETCS
• <u>F Grüne</u> : Stollingsstoornissen bij patiënten met leverchirurgie en levertransplantatie Conference: A & I Nascholing At: Thiel, NL, 12/2018	1
• <u>F Grüne</u> : Argon - From doping to neuroprotection. Conference: Wetenschapsdag Anesthesiologie - At: Erasmus MC, Rotterdam, NL, 01/2017	1
• <u>F Grüne</u> : Anesthesia and Electroconvulsive therapy. Conference: Netherlands Society for Psychiatry (NVvP) Congres, At: MECC, Maastricht, NL, 03/2016	1
• <u>F Grüne</u> : Centraal veneuze druk en leverchirurgie. Conference: Symposium "Anesthesie bij leverchirurgie", At: Amphia Ziekenhuis, Breda, NL, 02/2014	1
• <u>F Grüne</u> : De ondergrens van de cerebrale perfusie. Conference: Wetenschapsdag Anesthesiologie At: Erasmus MC, Rotterdam, NL, 02/2014	1
• <u>F Grüne</u> : Anesthesiologische zorg voor de buismaag - patiënt. Conference: Refereeravond "Ketenzorg", Anesthesiologie - At: Erasmus MC Rotterdam, NL, 05/2012	1
• <u>F Grüne</u> : Perioperatief hemodynamisch monitoring en een algoritme voor vocht en inotropie / vasopressie. Conference: Mini-symposium "Top klinische perioperatieve zorg voor oesophagus cardiaresectie met buismaag reconstructie", Anesthesiologie, AMC At: AMC Amsterdam, NL, 11/2011	1

• <u>F Grüne</u> : Perioperatief hemodynamisch beleid. Goal directed therapy bewaking tijdens slokdarmresectie. Conference: Refereeravond, Anesthesiologie, UMC Leiden At: UMC Leiden, NL, 09/2011	1
• <u>F Grüne</u> : Goal directed therapy Conference: Refereeravond, Anesthesiologie, At: Catharina Ziekenhuis, Eindhoven, NL, 05/2011	1
• <u>F Grüne</u> : Tussen walvis en Darth Vader: de fysiologisch – filosofische insteek. Conference: Erasmus Edwards Conference: Anesthesiology Master Class “ Cardiac Output “ At: SS Rotterdam, Rotterdam, NL, 09/2010	1
• <u>F Grüne</u> : Hemodynamische bewaking tijdens hoog risico ingrepen. Conference: Pulsion Anesthesiology Master Class “ PiCCO “ At: St. Elisabeth Ziekenhuis, Tilburg, NL, 05/2010	1
• <u>F Grüne</u> : Preoperative risk assessment and peri-operative management Conference: DOCG Symposium: Current and future management of oesophageal cancer At: De Doelen Center, Rotterdam 04/2010	1
• <u>F Grüne</u> : Hemodynamische bewaking tijdens slokdarmresectie. Conference: Pulsion Anesthesiology Master Class “ PiCCO “ At: MC Leeuwarden, NL, 02/2010	1
	<b>12</b>

---

### Poster presentations

	ETCS
• <u>F Grüne</u> , S Kazmaier, A Weyland: Hemodynamic effects of Argon in humans. Deutscher Anästhesie Congress 2013, Nürnberg Convention Center Ost; 04/2013	1
• <u>F Grüne</u> , S Kazmaier, H Sonntag, RJ Stolker, A Weyland: Moderate hyperventilation during intravenous anaesthesia increases cerebral lactate production. Euroanaesthesia 2012, Paris; 06/2012	1
	<b>2</b>

---

### COURSES

	ETCS
• Biomedical English Writing and Communication (self taught)	1
• Adult Life support (ERC), Erasmus MC, Rotterdam, NL, 11/2013	1
• Advanced Trauma Critical Care (ATACC), Cheshire, UK, 09/2016	1

• Bijscholing moderisering medische vervolgopleiding (NVA), Rotterdam, 11/2011	0.3
• Cannot intubate, cannot oxygenate (CICO), Erasmus MC, 02/2017	0.3
• Master Class: Presentation training: "Onderwijs en de techniek van het theater". Erasmus Universiteit, Rotterdam, NL, 04/2010	1
• Echocardiography (DEGUM), Oldenburg, Germany 2012	1
• Sono-anatomy (ESRA) Längenfeld, Austria 2017 and 2018	2
• Strahlingsbescherming Erasmus MC 01/2016	0.3
• Time management "Battling your Brain" Erasmus MC, 2016	0.3
• Teach the teacher, Erasmus MC, 2010	1
	<b>9.2</b>

## CONGRESS / CONFERENCE

	<b>ETCS</b>
• Anesthesiologendagen (NVA), Maastricht, 2010	1
• Congress of the Dutch Oesophageal Cancer Group (DOCG), Rotterdam, 2010	0.3
• Euroanaesthesia (ESA), Paris 2012, Stockholm 2014	2
• Erasmus Master Class Obese Patients (EMCOP), Rotterdam, 2010	0.6
• International Symposium of Intensive Care Medicine, Bremen, 2013, 2015	2
• International Symposium AINS – St. Anton 2010, 2011, 2012, 2015, 2016	5
• Deutscher Anästhesie Congress (DGAI, BDA) 2010, 2013	2
• Congress of the European Society of Regional Anaesthesia (ESRA), Dublin, 2018	1
• Congress of the Liver Intensive Care Group of Europe (LICAGE), Essen, 2013	0.6
	<b>14.5</b>

## TEACHING

	<b>ETCS</b>
Lectures for medical students, Erasmus MC	20
<ul style="list-style-type: none"> <li>• Minor Course Transplantation medicine 2010-2016</li> <li>• Bedside teaching Anesthesia 2010-2018</li> <li>• Minor Course Anesthesia 2012-2018</li> <li>• Master Course Surgery 2017-2018</li> </ul>	
Lectures for Intensive Care Nurses, Erasmus MC	6
<ul style="list-style-type: none"> <li>• Bijscholing hemodynamisch monitoren 2011- 2014</li> <li>• Bijscholing Vochtbeleid en Infuustherapie 2015-2016</li> </ul>	
Lectures for residents Anesthesiology, Erasmus MC	10
<ul style="list-style-type: none"> <li>• Major surgery, risk evaluation, liver surgery, LTX, hemodynamic monitoring, coagulation disorders, cerebral perfusion</li> </ul>	
Research Tutorship, Medical students; Erasmus MC, NL	8
<ul style="list-style-type: none"> <li>• S. Sewdin 2010, B. Broeders 2013, R. van der Graaf 2014, T. Kerver 2018</li> </ul>	
Research Tutorship Master of Science Students; NIHES, NL	6
<ul style="list-style-type: none"> <li>• M Sonneveld 2010, HJ Mijderwijk 2012</li> </ul>	
	<b>50</b>
<b>Total =</b>	<b><u>106</u></b>