

1900 - 2016

Albert Urwyler, Universitätsspital, 4031 Basel

Anästhesiekongress SIGA/FSIA
Luzern, 16.4.1016



William T.G. Morton: 16. Oktober 1846
Ether Dome, Massachusetts General Hospital, Boston



<http://www.massgeneral.org/history/exhibits/etherdome>



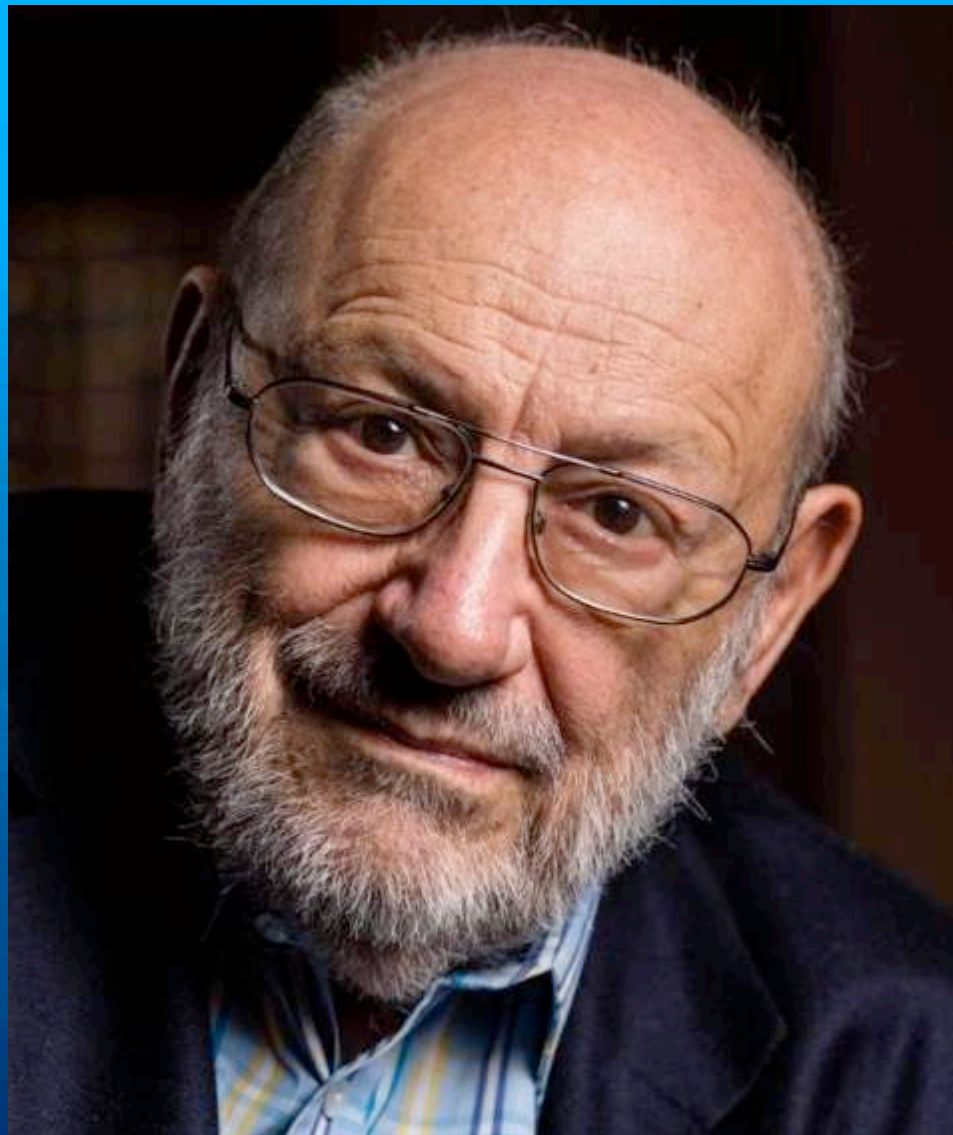
Spuren
eines
Lebens

Les
traces
de la
vie

save the date

Traduction française simultanée





Umberto Eco

5.1.1932 – 19.2.2016

U. Eco: Arten von Gedächtnis

1. Pflanzlich
-> Papier



2. Organisch
-> Gehirn



3. Mineralisch
-> Silikon



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2. Organisch

-> Gehirn

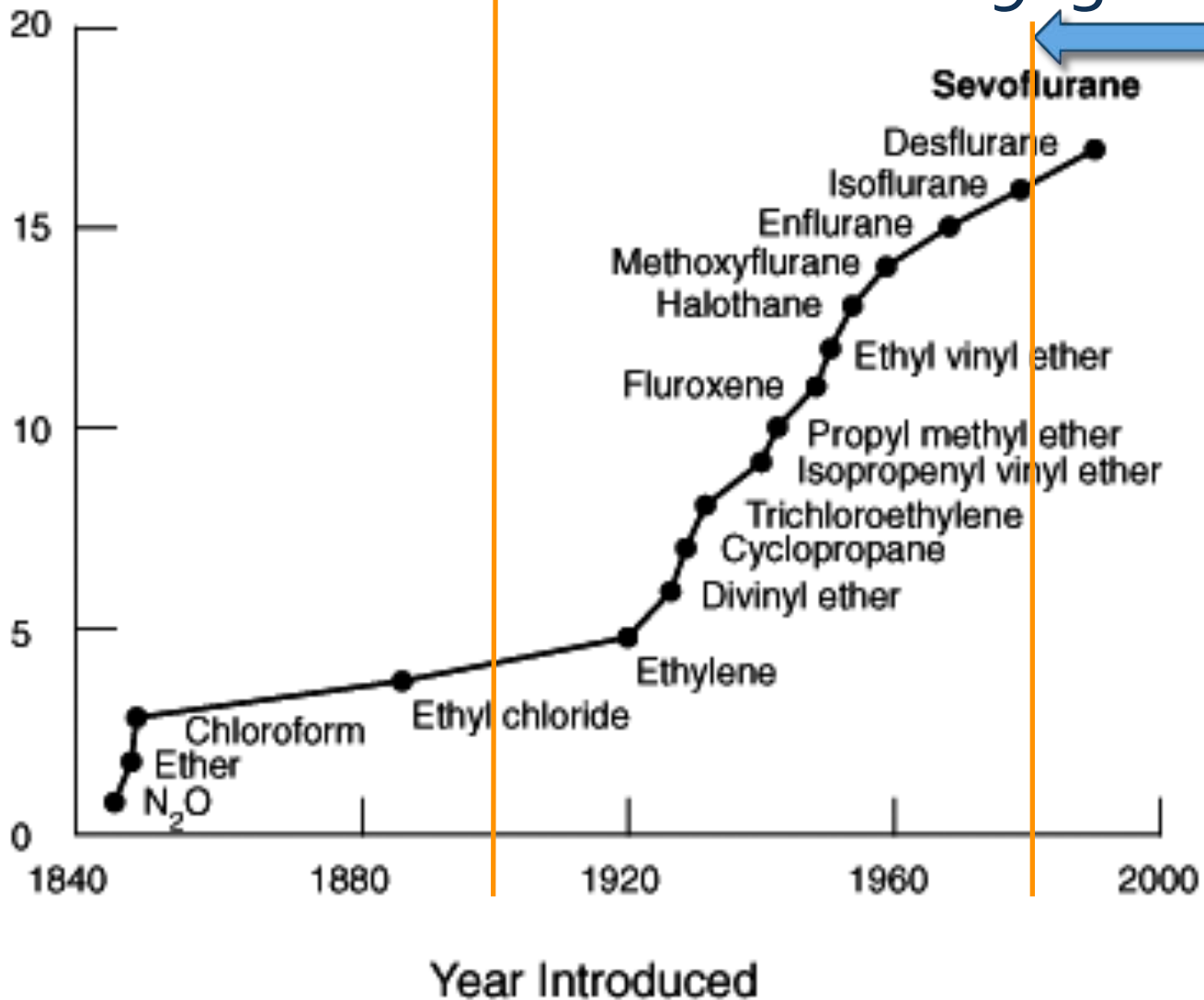


3. Mineralisch

-> Silikon



Anesthetics Used in Clinical Practice (Cumulative Listing)



Wissen und Wissenschaft...für Patientinnen und Patienten



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2. Organisch

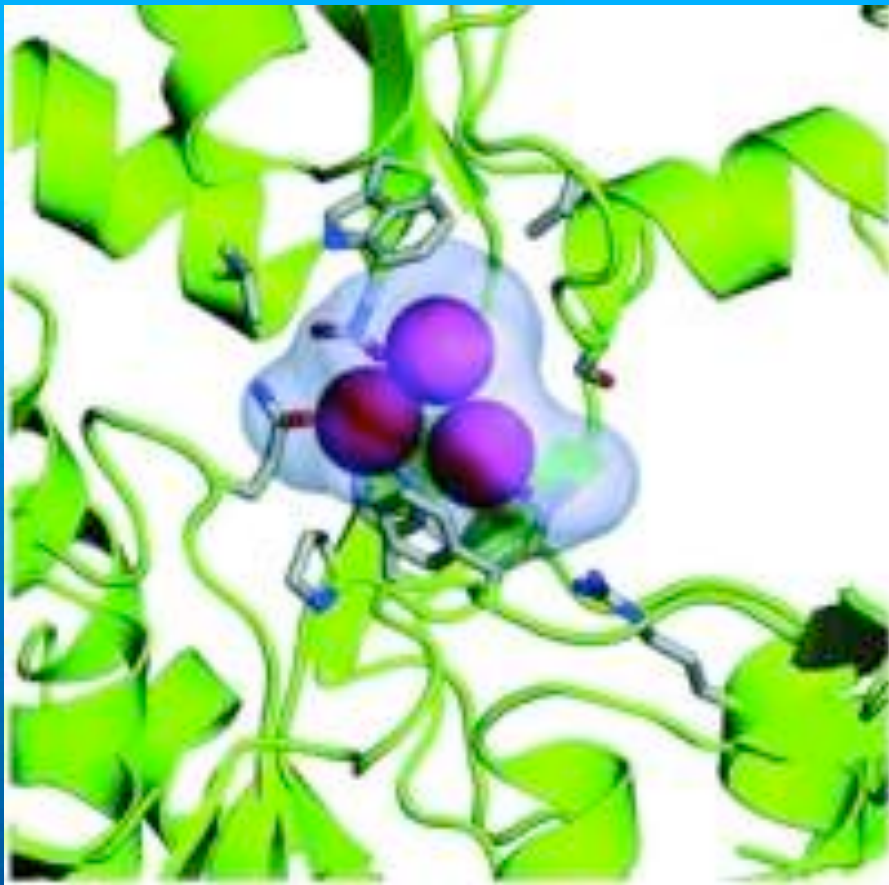
-> Gehirn



3. Mineralisch

-> Silikon





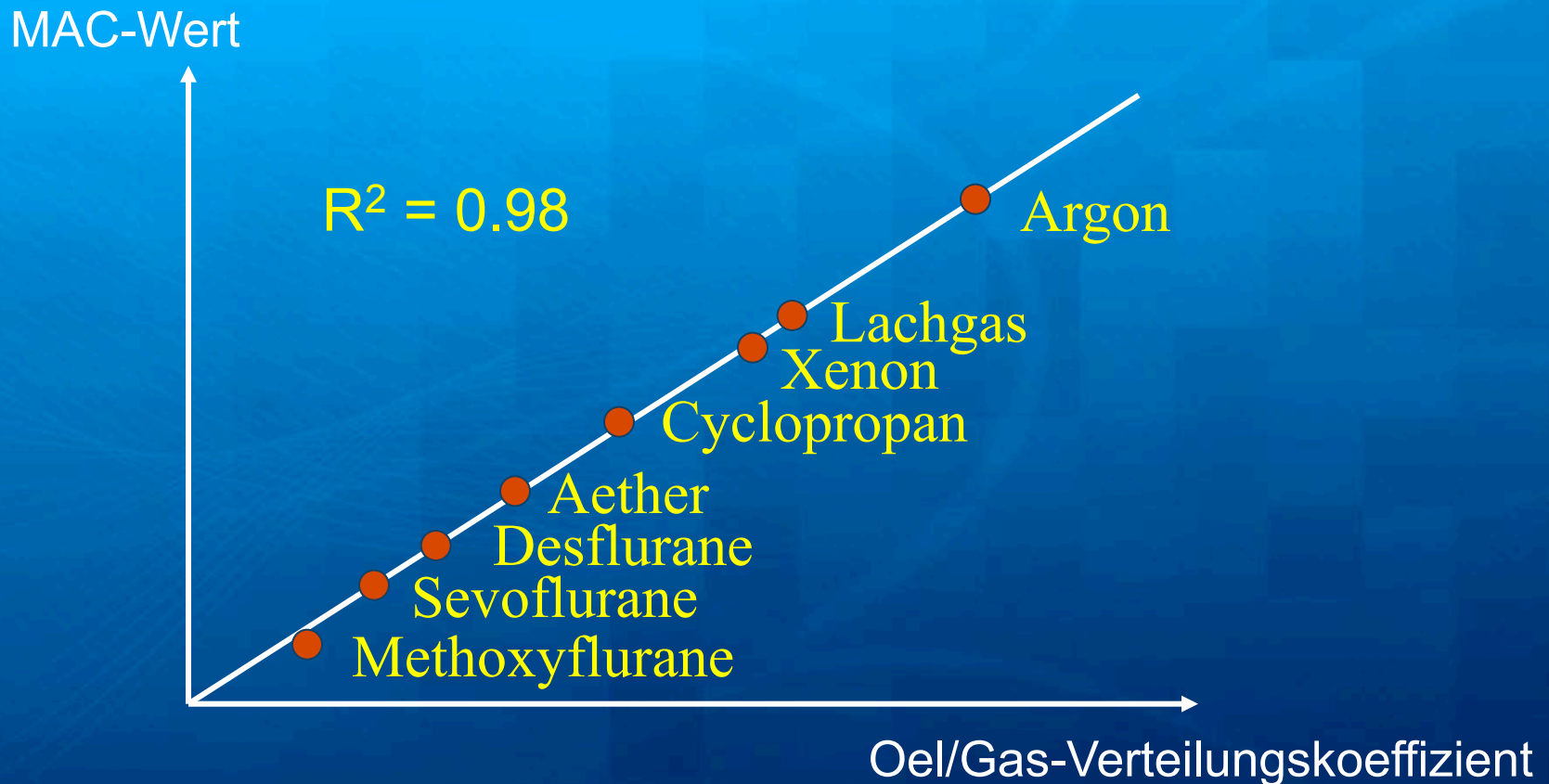
ANESTHESIOLOGY

The Journal of the American Society of Anesthesiologists, Inc.



Anesthesiology 2015;122(5):971-973

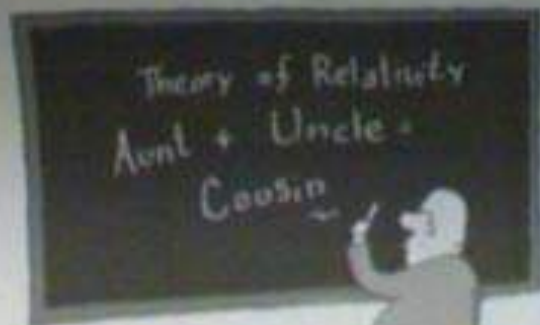
Meyer-Overton-Theorie



$$\text{MAC (atm)} \times \text{Oel/Gas-Verteilungskoeffizient} = 1.82 \pm 0.56 \text{ atm}$$

Complex problems have *simple,*
easy to understand, *wrong* answers.

No. 4 (Government) Magistrate



If you're a big corporation or public sector organisation, at any given time you're faced by a number of difficult problems.

Our lawyers can help you cut through the most complex of issues and come up with the right solutions.

We give expert advice - clearly and succinctly.

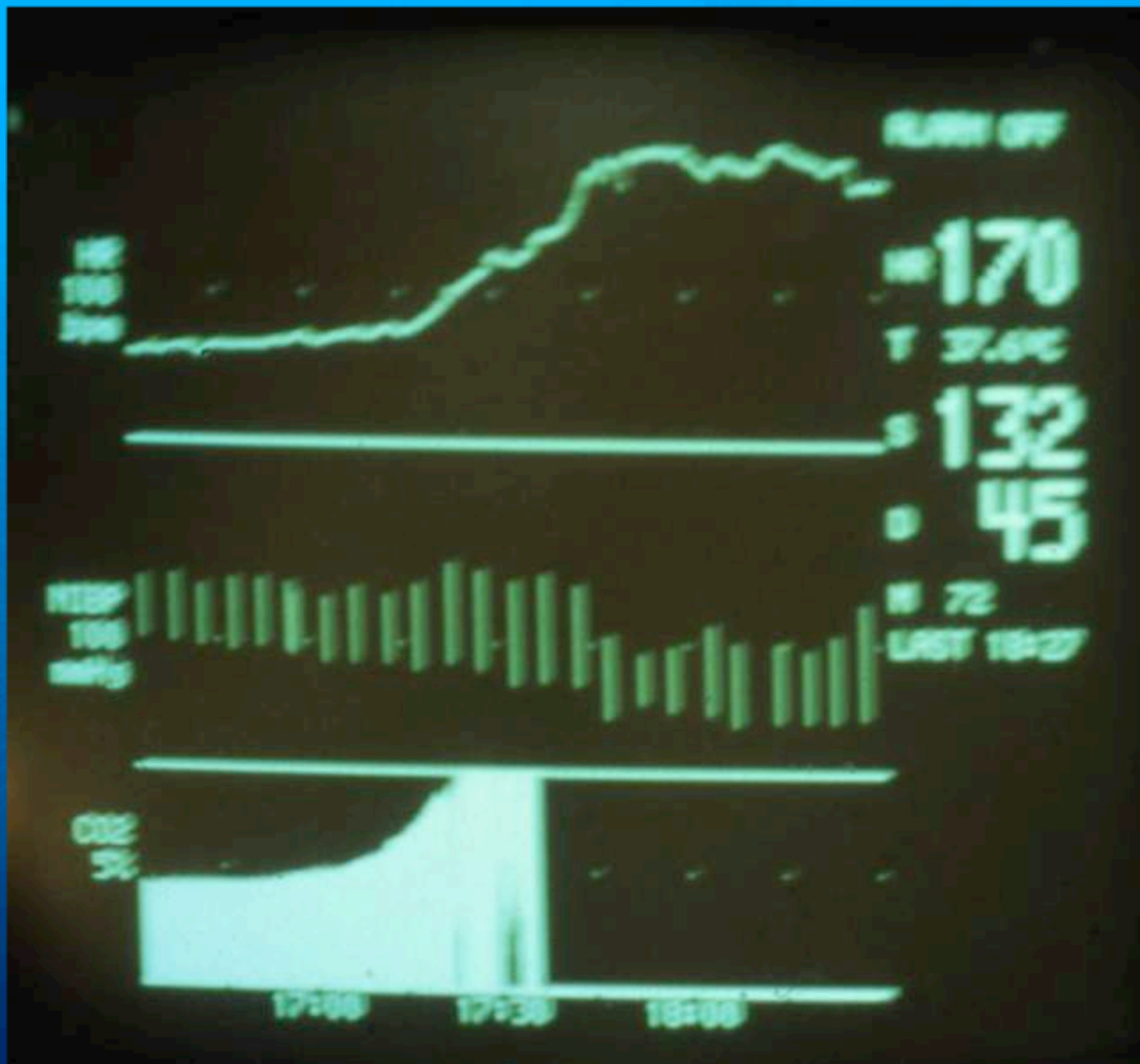
Get it right by visiting www.pinsentmasons.com


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www.pinsentmasons.com

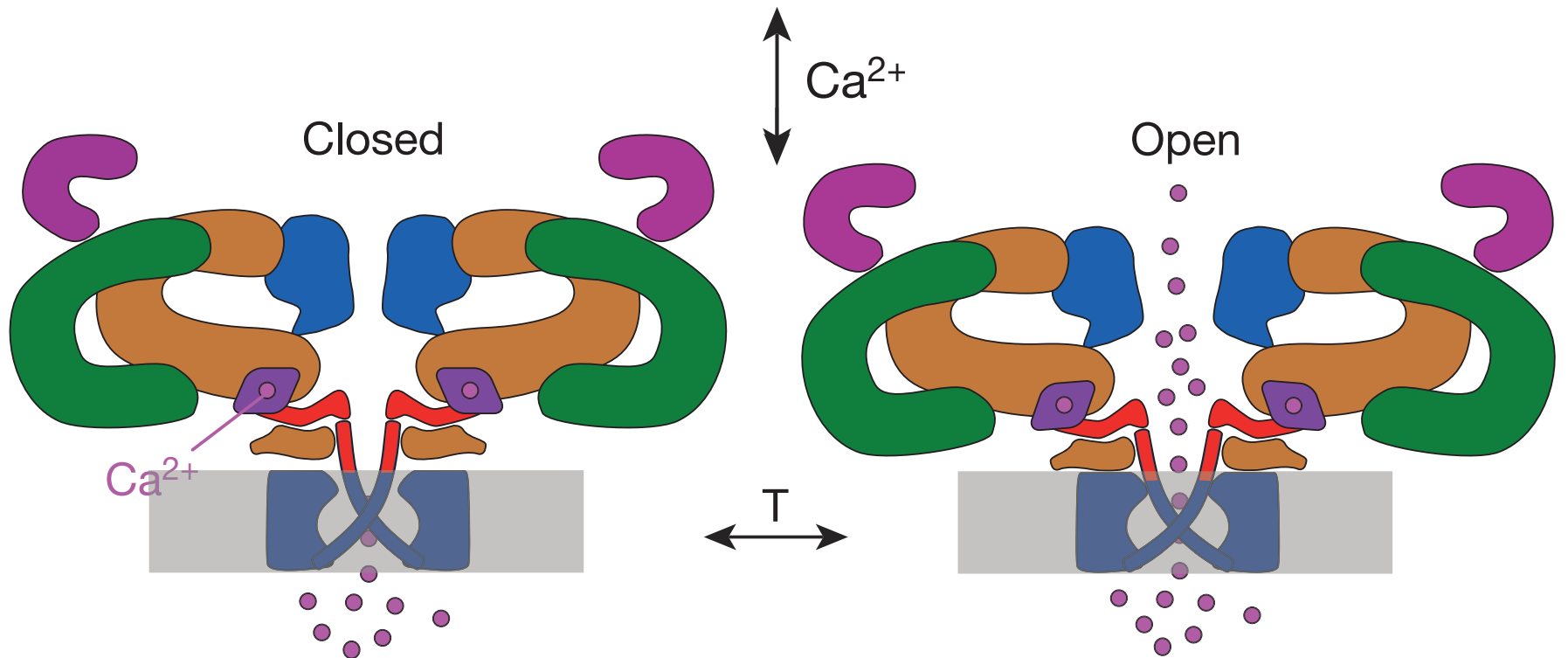


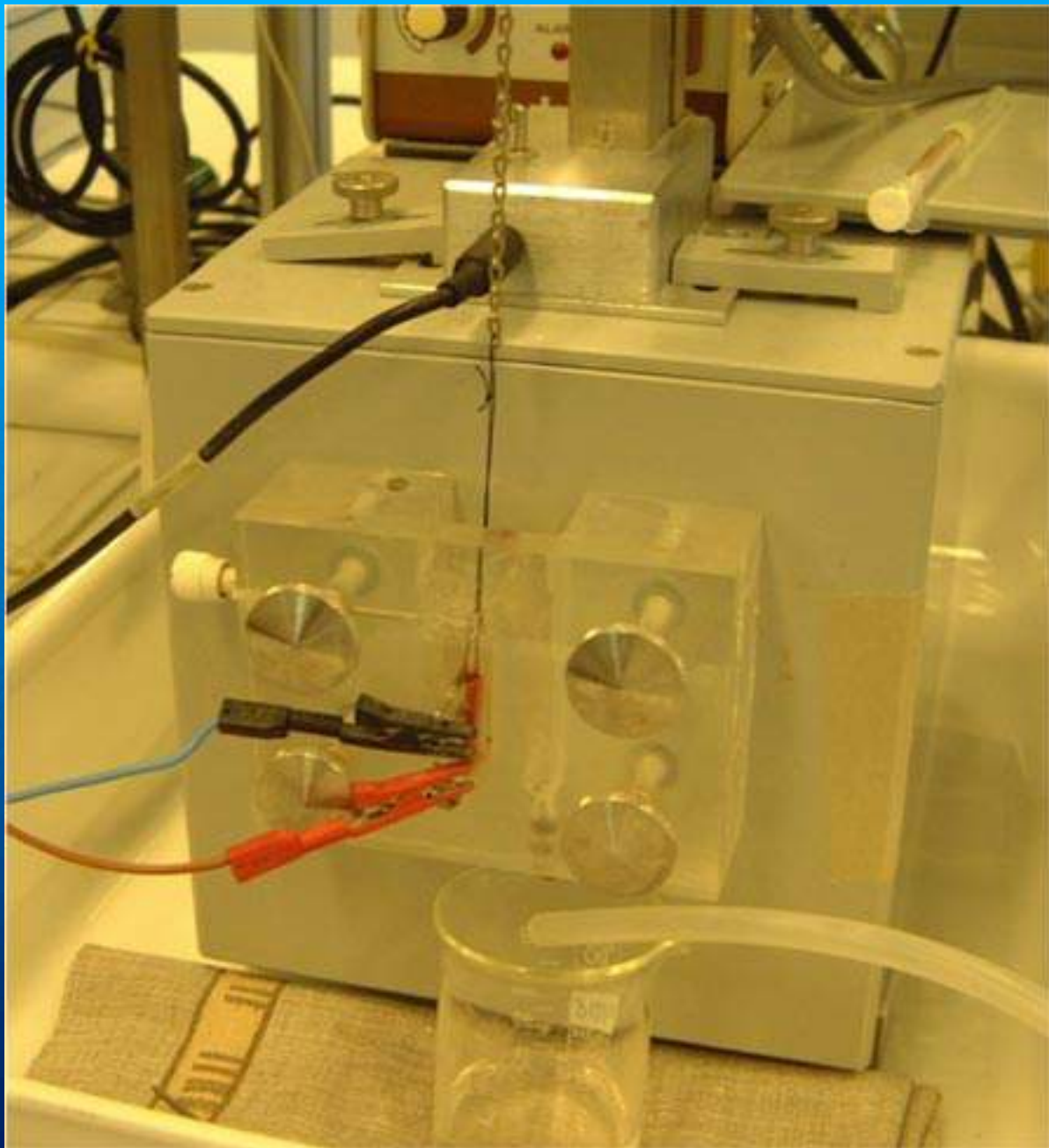
M. Denborough & J. Willies



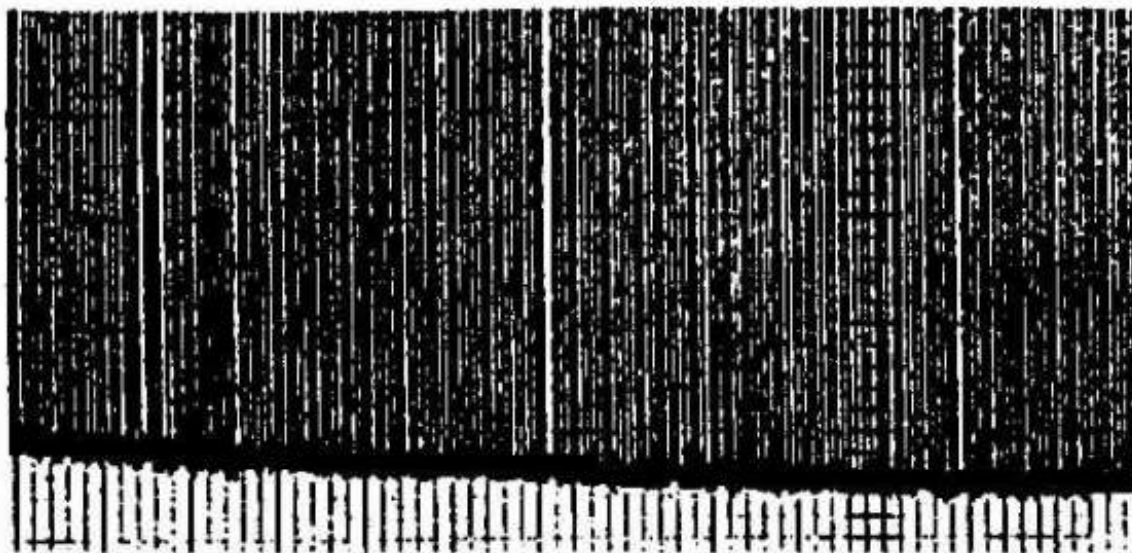
Rascher CO₂-Anstieg -> Maligne Hyperthermie (MH)

RYR1 -> 5000 Aminosäuren ($1/5000 = 0.02\%$)





MHN



MHS



1 g
1 min

Halothane (Vol%)

0.5

1

2

SPECIAL ARTICLE

A Surgical Safety Checklist to Reduce Morbidity and Mortality in the Global Population

Sign in

Time out

Sign out

Thomas G. Weiser, M.D., M.P.H.,
P.H., Stuart R. Lipsitz, Sc.D.,
Dellinger, M.D.,
nce L. Kibatala, M.D.,
B., F.A.N.Z.C.A., F.R.C.A.,
M.Ed., Bryce Taylor, M.D.,
Saves Lives Study Group*

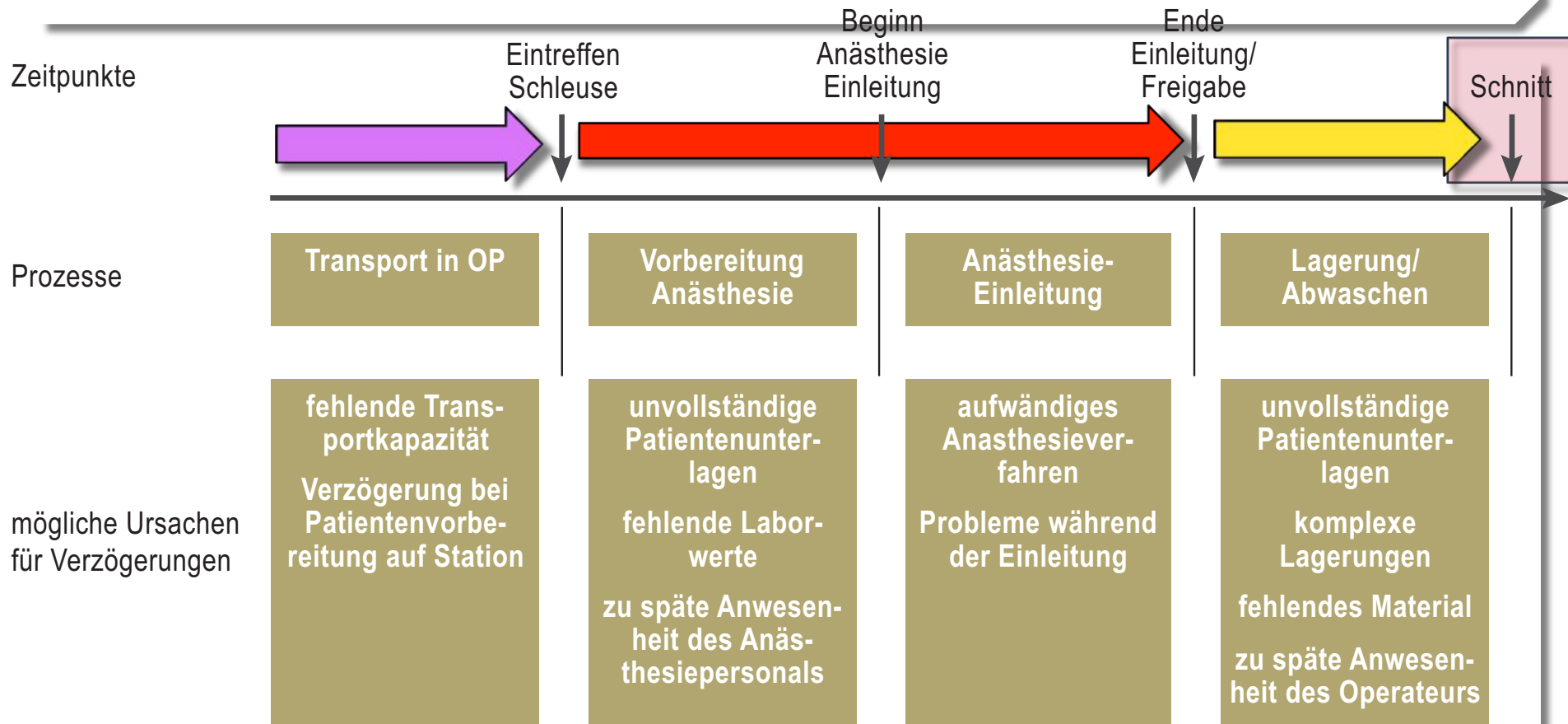
Teodoro Herberich,
Marie Carmela M. Delgado,
Krishna Moorthy,
and Atul A. Gawande

ABSTRACT

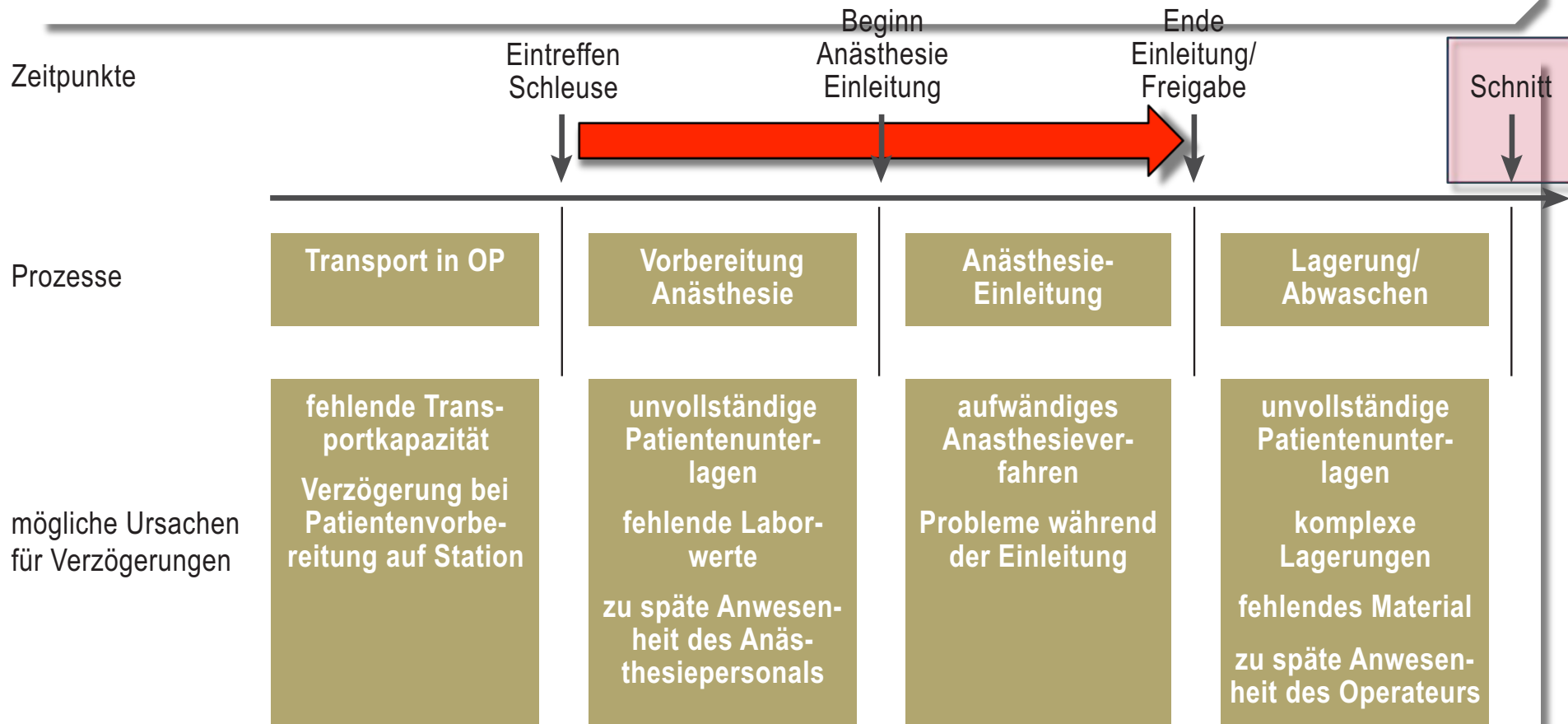
BACKGROUND

Surgery has become an integral part of global health care, with an estimated 234 million operations performed yearly. Surgical complications are common and often preventable. We hypothesized that a program to implement a 19-item surgical safety checklist designed to improve team communication and consistency of care would reduce complications and deaths associated with surgery.

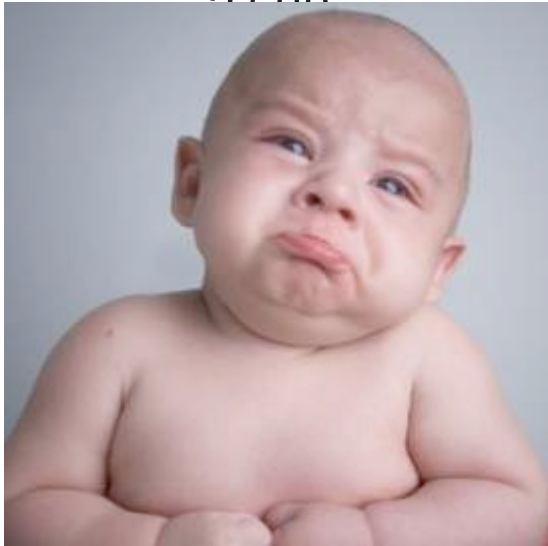
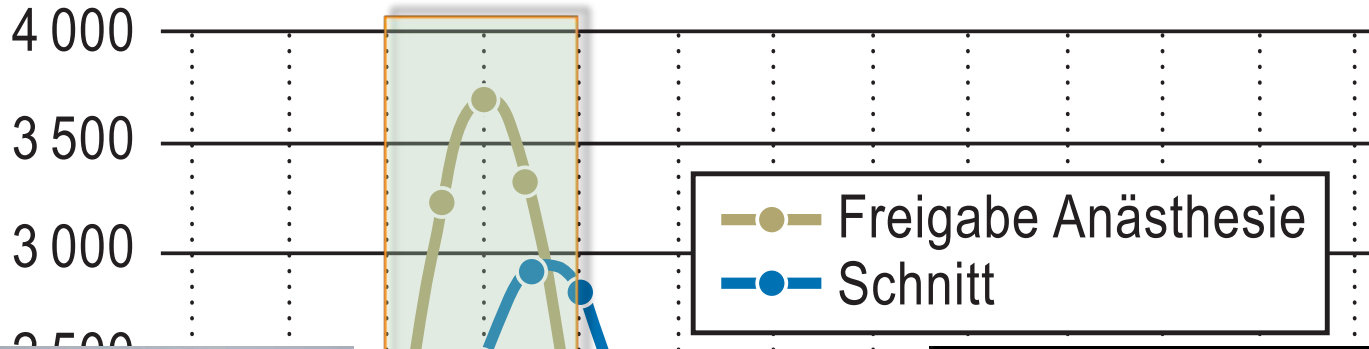
Prozessablauf bis zum OP-Schnitt



Prozessablauf bis zum OP-Schnitt

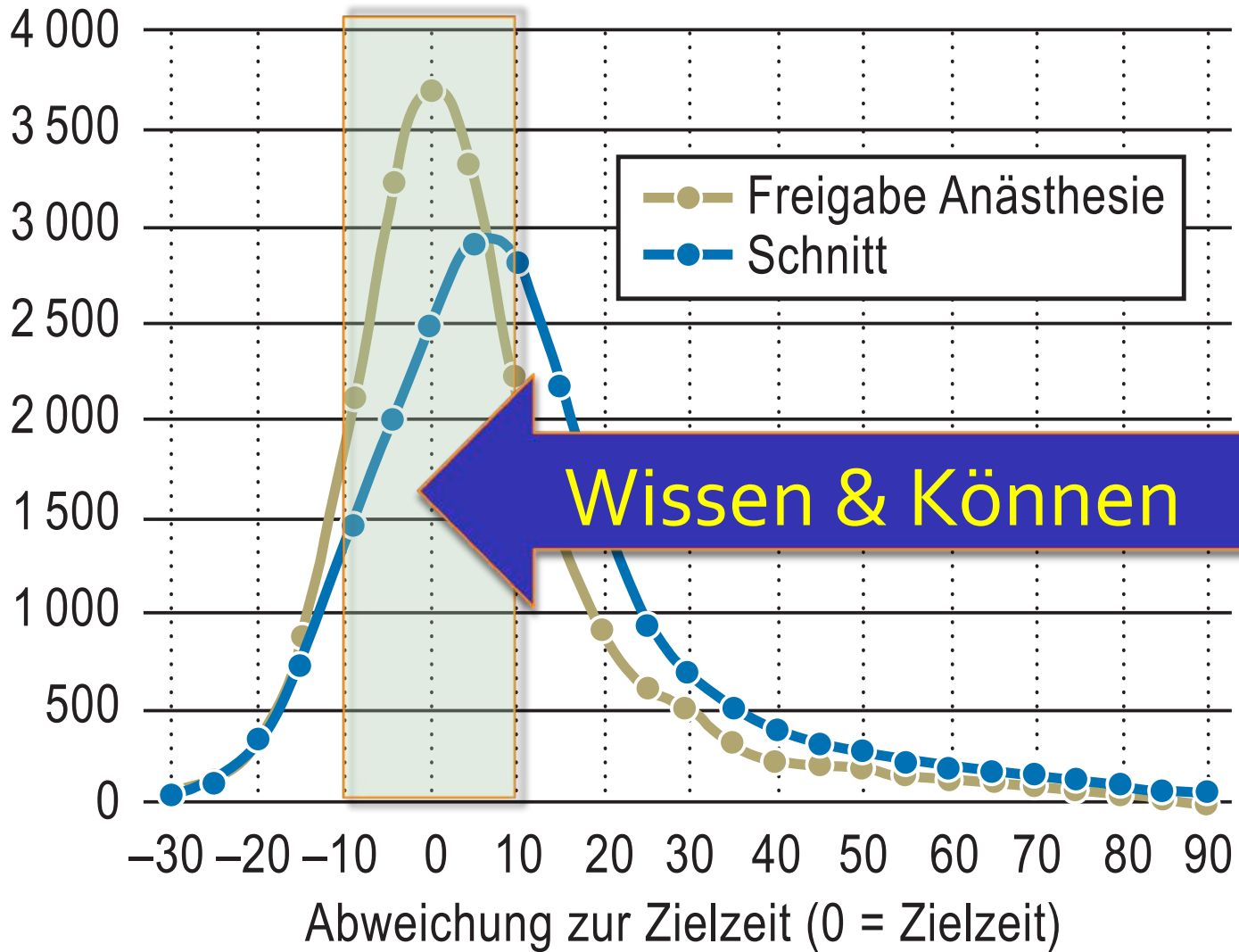


Anzahl erste Positionen



Abweichung zur Zielzeit (0 = Zielzeit)

Anzahl erste Positionen





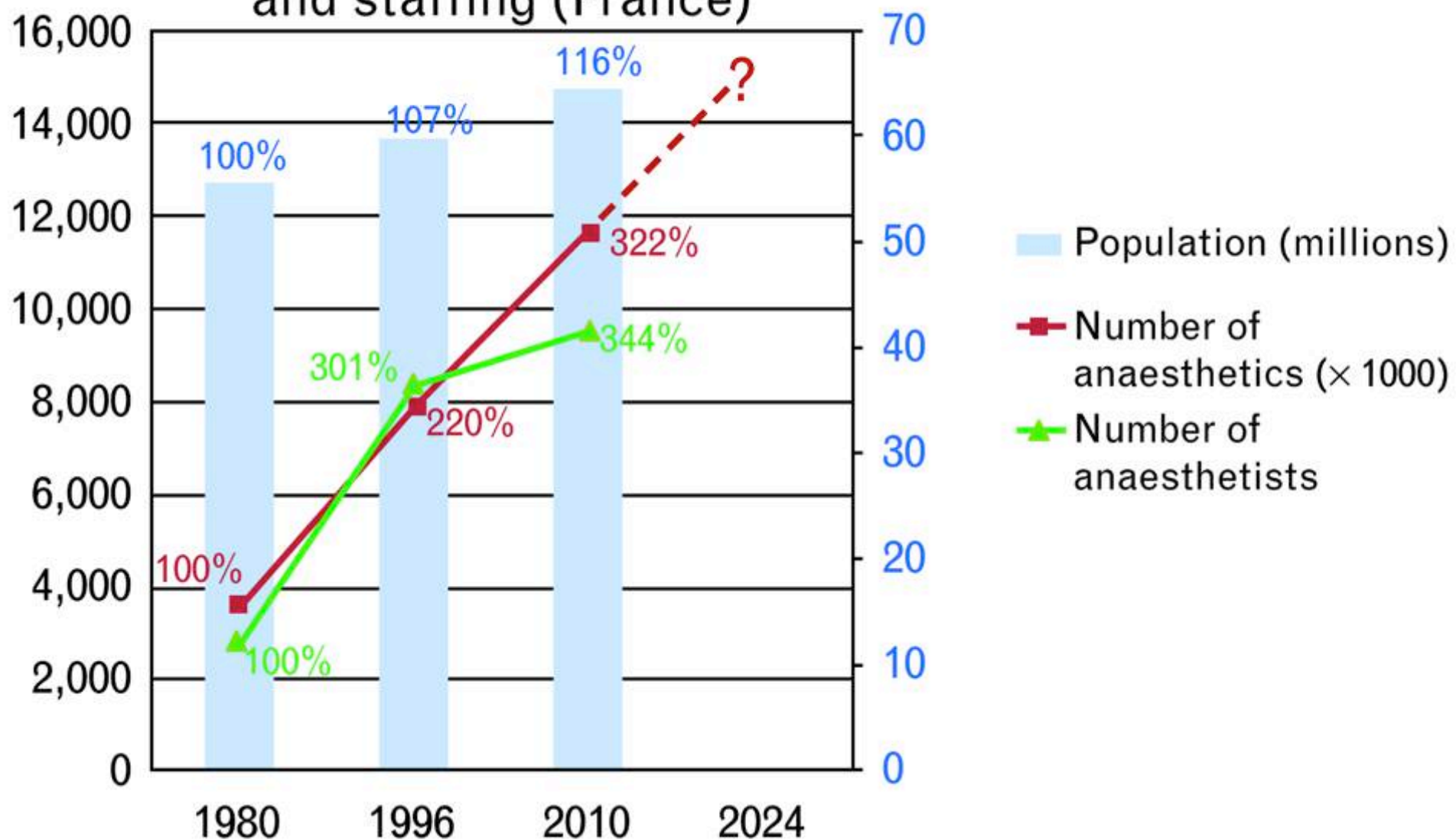
Spitäler führen einen «Krieg um Talente»

18.5.2015, 15:05 Uhr

40 Prozent der Spitäler haben Probleme, genügend nicht-ärztliches OP-Personal zu finden. Bei 20 Prozent der Spitäler sind die Rekrutierungsschwierigkeiten akut. Dies zeigt eine Erhebung, welche das genaue Ausmass des Fachkräftemangels im Operationsbereich erstmals beziffert.



Evolution of anaesthetic activity and staffing (France)



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89kg 20-Mai-2015
160cm 12:05
Erw. 73 Jahre Perseus

O₂ in 70 et 64
Aus 30

Sev 1.66 3.00 Aus 1.31

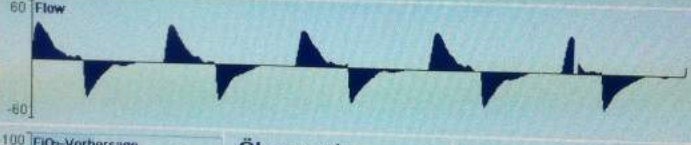
xMAC Alter 73 Jahre 0.7 Aus



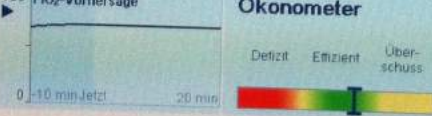
CO₂ et 4.7 in 0.0



Paw PIP 21 Pplat 21 PEEP 6



Volumen VT 462 MV 5.5 AF 12



ΔVT 0 VTI 459 VT 1000 462 Paw 30 21

Volume Control - CMV / AF

MAN / SPON Pressure Support Pressure Control Vol. Ctrl. AutoFlow Volume Control Pause

80 FG O₂ 1.00 FG-Flow 40 Pmax 460 VT 12 AF 6 PEEP 2.0 TI

Sync. ein MV 5.52 Sync. aus Rampe 0.20 IE 1:1.6 Mehr

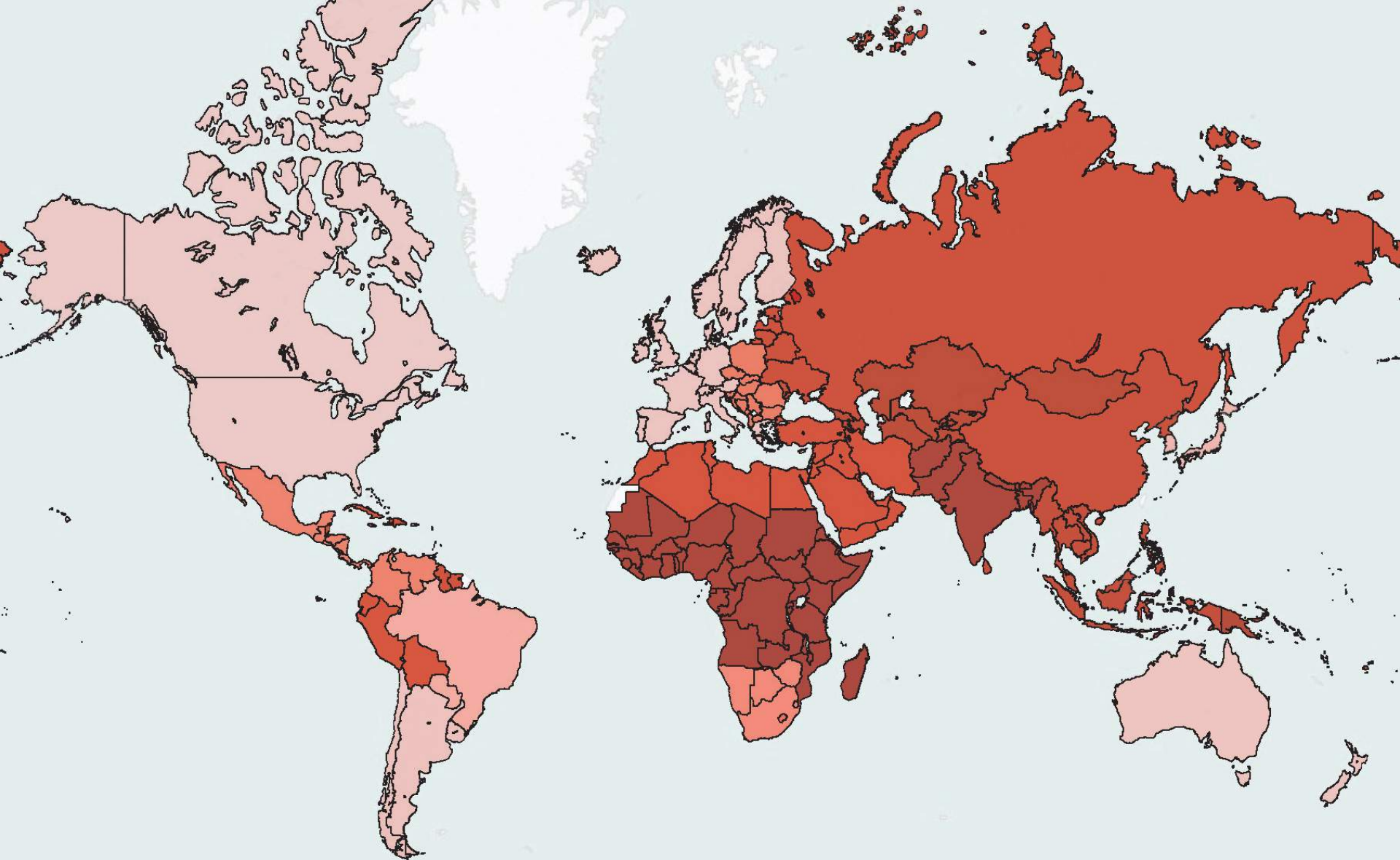
- Alarme...
- Grenzen Auto-Einst.
- Ansichten...
- Ansicht
- Screenshot exportieren
- Trends/Daten...
- System-konfiguration...
- Patient...
- Standby...

Perseus A300



Flightradar24





Proportion of population without access to surgery
0%  100%



Global Surgery 2030

THE LANCET Commission on Global Surgery

Commission Launch | April 27, 2015 | London, UK

The Surgical Workforce Indicators

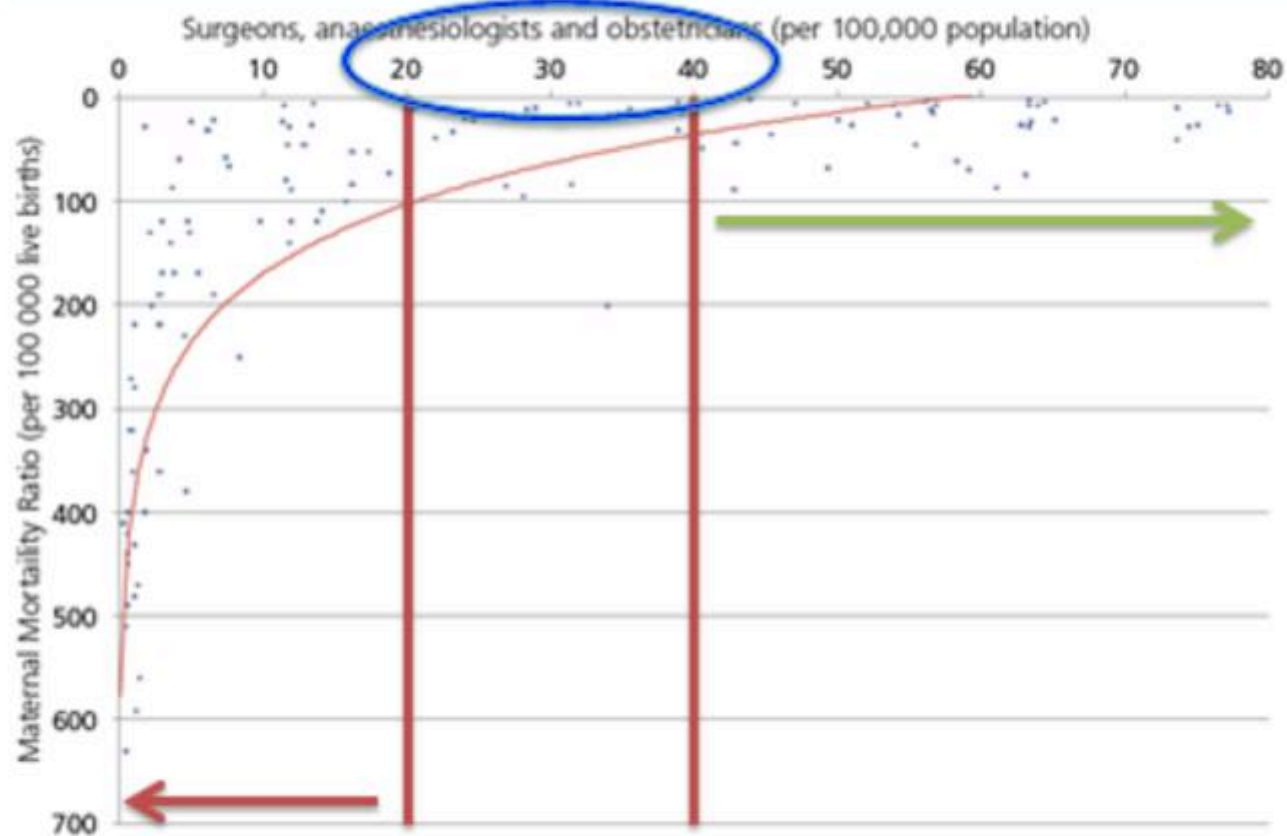
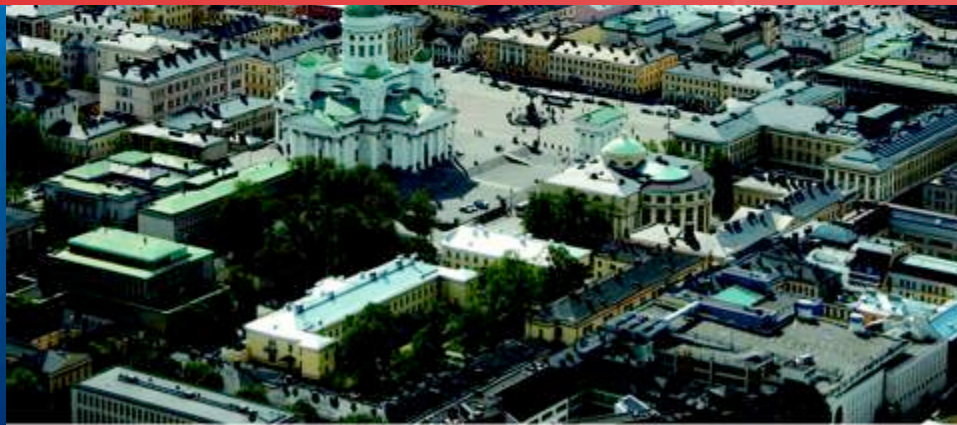


FIGURE 1. The relation between MMR and density of surgical providers in 143 countries with available data. Logarithmic trendline used to show the gradient of improvement in MMR as providers increase.



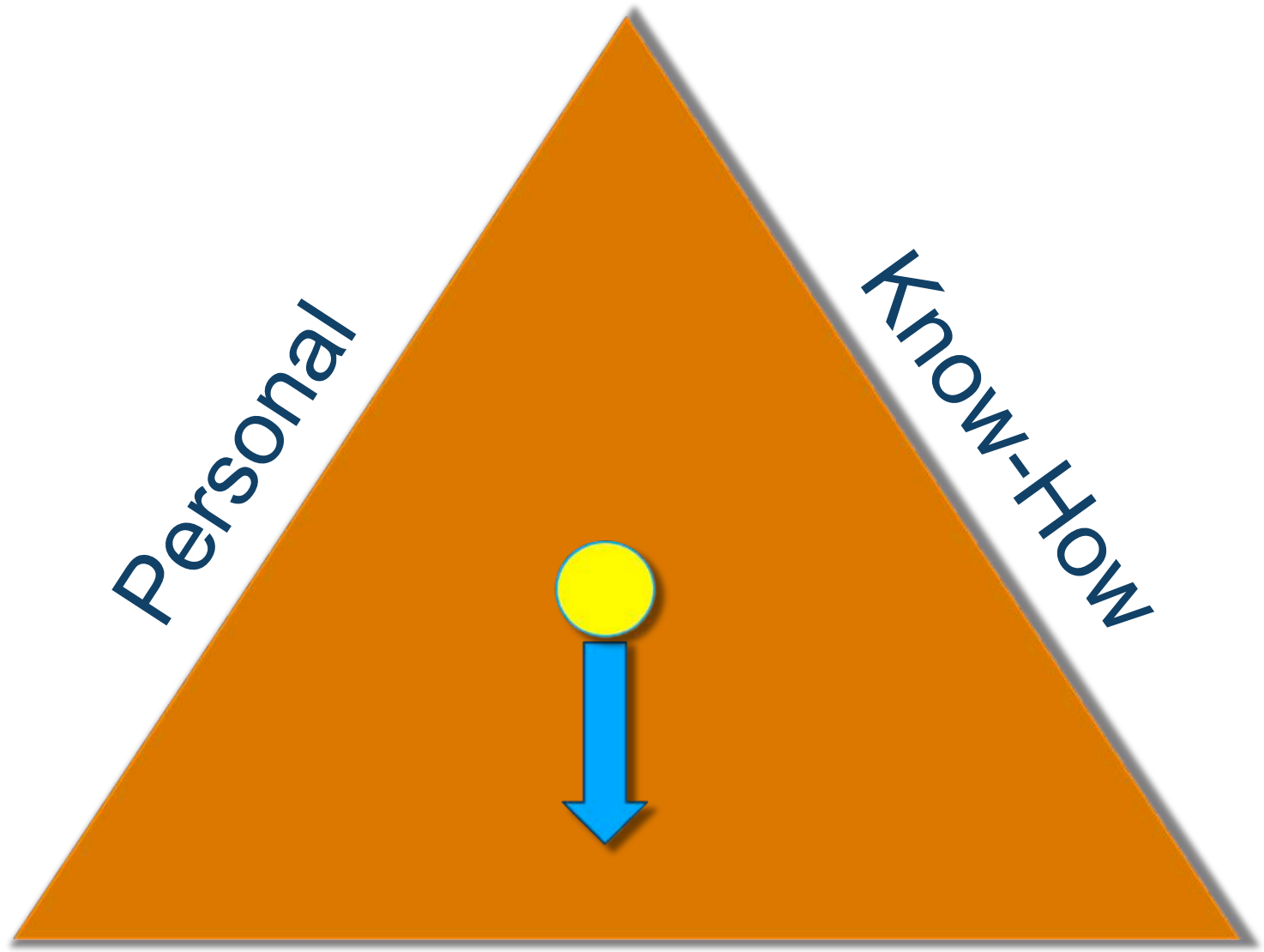
HELSINKI DECLARATION ON PATIENT SAFETY IN ANAESTHESIOLOGY



HELSINKI DECLARATION ON
PATIENT SAFETY IN ANAESTHESIOLOGY

- Überprüfung von Geräten und Medikamenten
- Präoperative Untersuchung und Vorbereitung
- Kennzeichnung von Spritzen
- Schwierige Intubation
- Maligne Hyperthermie
- Anaphylaxie
- Intoxikation durch Lokalanästhetika
- Massive Blutungen
- Infektionskontrolle / Hygiene
- Postoperative Überwachung
- Schmerztherapie

**HELSINKI DECLARATION ON
PATIENT SAFETY IN ANAESTHESIOLOGY**



Patientensicherheit



Patienten
Personal
Infrastruktur
Lehre
Forschung

