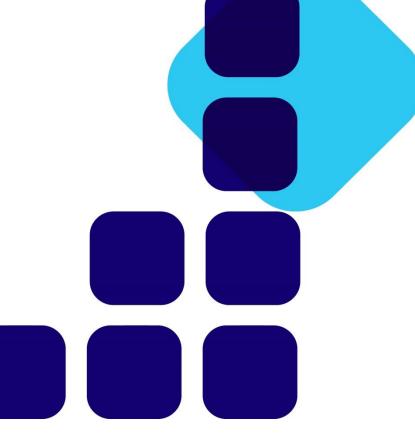
RONT Management Consultants

Preoperative anticoagulation management in everyday clinical practice: an international FRAM analysis

Nikki Damen



Doen wat werkt

Acknowledgements



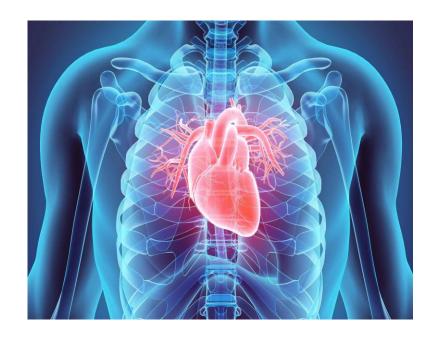








Anticoagulation therapy





Anticoagulation therapy



Around surgery, things are getting complex..





CHEST

Supplement

ANTITHROMBOTIC THERAPY AND PREVENTION OF THROMBOSIS, 9TH ED: ACCP GUIDELINES

Perioperative Management of Antithrombotic Therapy

Antithrombotic Therapy and Prevention of Thrombosis, 9th ed: American College of Chest Physicians Evidence-Based Clinical Practice Guidelines

James D. Douketis, MD, FCCP, Alex C, Spyropoulos, MD, FCCP; Frederick A. Spencer, MD; Michael Mayr, MD, Amir K, Jaffer, MD, FHM; Mark H. Eckman, MD; Andrew S, Dunn, MD; and Regina Kura; MD, MSc (Epi)

Background: This guideline addresses the management of patients who are receiving anticoagulant or antiplatelet therapy and require an elective surgery or procedure.

Methods: The methods herein follow those discussed in the Methodology for the Development of

Safety-I



Safety-II





BUT: 99% of the time things go 'right' (no errors): what can we learn from that?



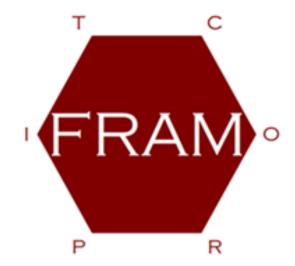
Work-as-done at the frontline?







Safety-II study on 'Preoperative Anticoagulation Management (PAM)'



Study design

"The aim of the study was to assess preoperative anticoagulation management in everyday practice and explore the usability and utility of FRAM".

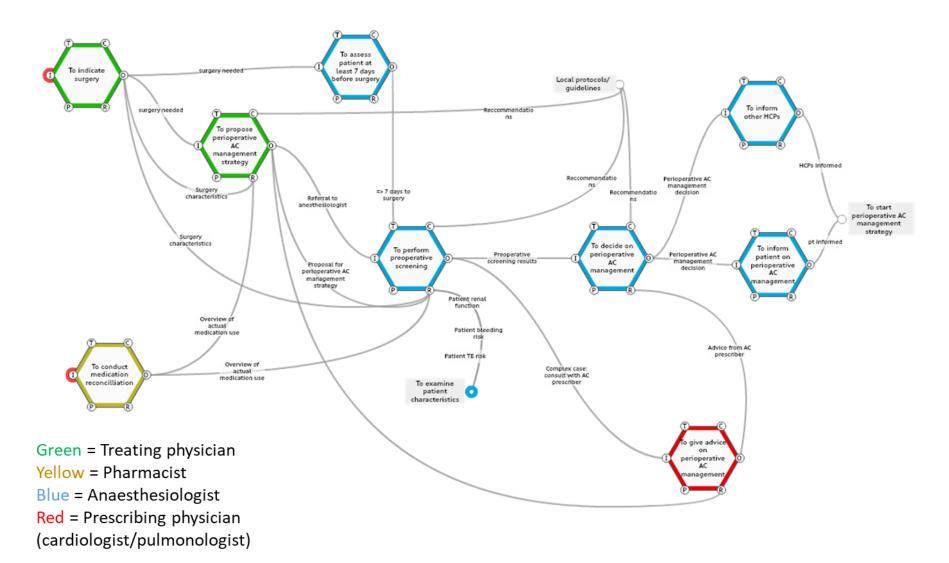
- Two departments of Cardiothoracic Surgery:
 - Macquarie University Hospital (MUH), Sydney, Australia
 - Leiden University Medical Center (LUMC), Leiden, the Netherlands







'Work-as-imagined'





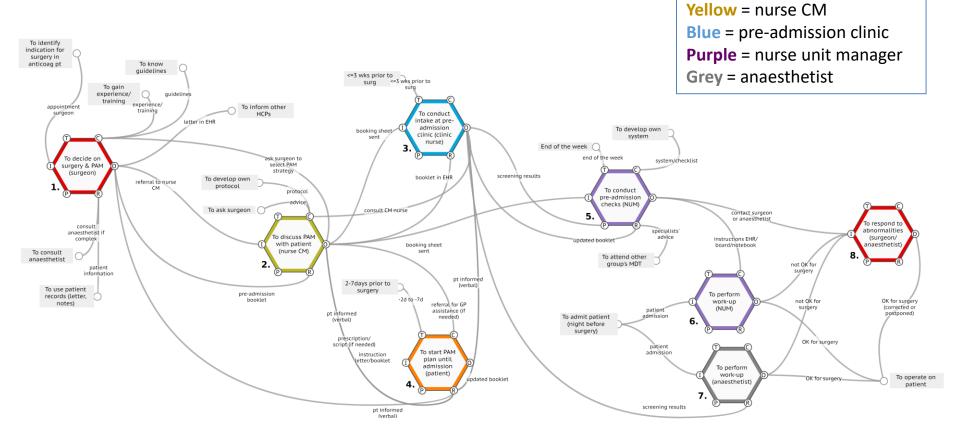
Work-as-done

• 18 semi-structured interviews with all disciplines involved in PAM:

Australia	The Netherlands
Cardiothoracic surgeon	Cardiothoracic surgeon
Cardiologist	Cardiologist
Nurse Casemanager	Cardiothoracic PA
Nurse Unit Manager (NUM)	Registrars
Anaesthesist	Anaesthesist
Pre-admission clinic nurse	Planning office secretary



Work-as-done: Australia

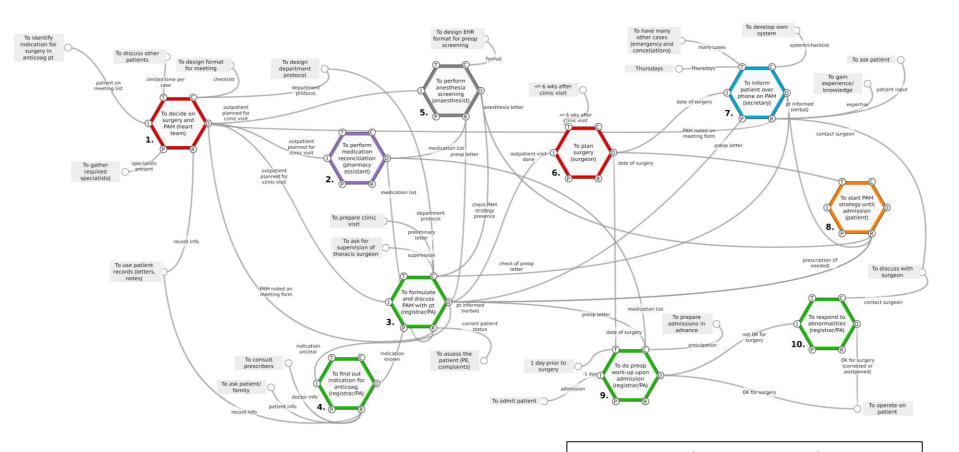


Green = cardiologist

Red = surgeon



Work-as-done: the Netherlands



Red = surgeon (and cardiologist)

Green = registrar/physician assis

Green = registrar/physician assistant (PA)

Purple = pharmacy assistant

Grey = anaesthetist

Blue = planning office secretary

Orange = patient



What do the models tell us?

- Design PAM process in NL vs AUS differed highly
 - Practical organisation and disciplines involved
 - But: Learning cuts both ways!
- Practical reasons!! Big differences between WAD!!
 - Surgical stanesthetists
 - and services not involved (NL) – An
- Control mechanisms to
- Profound adaptation and thoroughness, but what if absent or replaced?



What do the models tell us?

Ambiguity in roles/responsibilities

"I am the surgeon, I decide..."

"If the surgeon forgets to write down the AC policy, I decide myself.." (nurse/PA)

Efficiency:

"I check if everything that needs to be done before surgery, is done properly. My staff does so too, but just to be sure you know" (nurse)

Collaboration:

"We don't have a regular team meeting on cardiac surgery, but if I have questions, I'll ask the surgeon when I see him at another meeting" (nurse/PA)

Quality & Safety:

"I just have my own system and that works perfectly for me" (NUM)

"Sometimes I text, sometimes I ring..usually I text if it is surgeon X and he just knows...but it all works very well" (registrar)



Discussion meeting



- All involved disciplines
- Presentation of FRAM model
- Elaboration on potential implications
- Discussion on opportunities for improvement

"Well, I think we can conclude this is a very complicated process..."

Head of department, Australia



Utility and usability FRAM

- Workload: 46 hours per site
- Comparable to traditional methods (e.g. RCA)
- Easily understood by clinicians
- High disclosure during interviews
- Discussion meeting: insightful, raised awareness, and stimulated discussion on practical improvement measures



Response

"The FRAM analysis gave us a new, different perspective on our perioperative anticoagulation policy, for years one of our main bottlenecks. This way, we simply never looked at it before. By sticking closer to what actually happens at our frontline, instead of mainly looking at what the guidelines tell us to do, we are now able to enroll several improvement measures successfully. And for the first time, our people understood why they get implemented and are willing to contribute actively"

Surgeon Australian hospital



Thank you for your attention!



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men

