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War wounded pain management : the French connection

20th october 2022

[redacted]

[redacted]

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No ties of interest

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Why treat pain on the battelfield ?

Malchow Crit Care Med 2008

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Three levels of care : the French TCCC

Level 1 : every soldier (SC 1)
Stop the bleeding and extraction

Level 2 : health-qualified operators (SC 2)
Early life-saving procedures

Level 3 : physician and nurse (SC 3)
Damage control resuscitation

Pasquier Injury 2014

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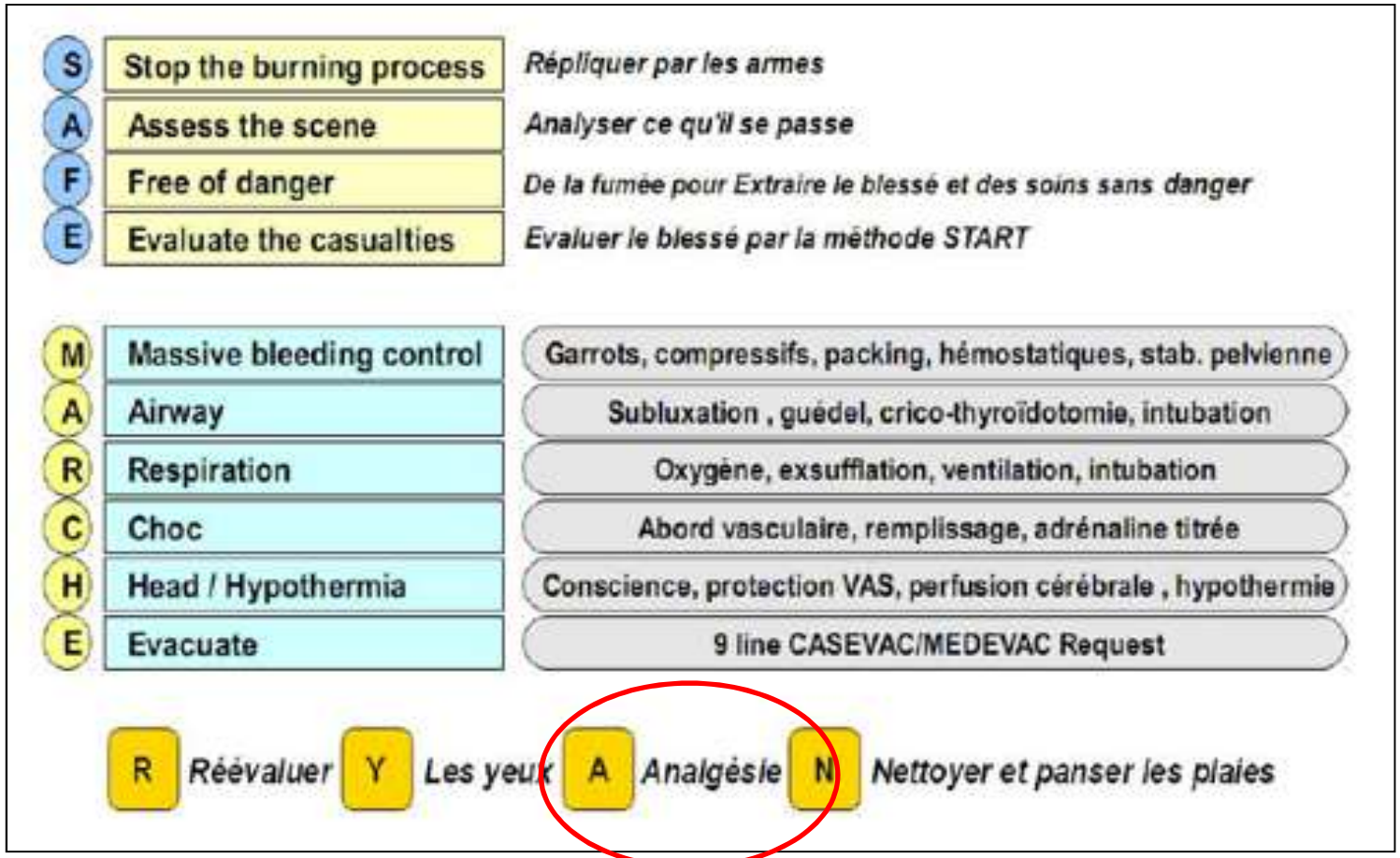
War wounded management mnemonic device

COMBAT PROVEN



Pasquier Injury 2014

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Where, how and who treats pain ?

Tactical Casualty Collection Point	SC Morphine administration*	SC1, SC2, SC3
	Immobilizations of fractures	SC1, SC2, SC3
Casualty Collection Point	SampSplint®, CT-6®	SC2, SC3
	IV Morphine	SC3
	Orodispersible Oxycodone	SC3
	Methoxyflurane	SC3
	Procedural sedation analgesia	SC3
	Fascia iliaca compartment block	Physician

Forward combat casualty care guidelines 2022 – Val de Grace Academy
** Pasquier Br J Pain 2016*

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In real life ?

Travers Transfusion 2019

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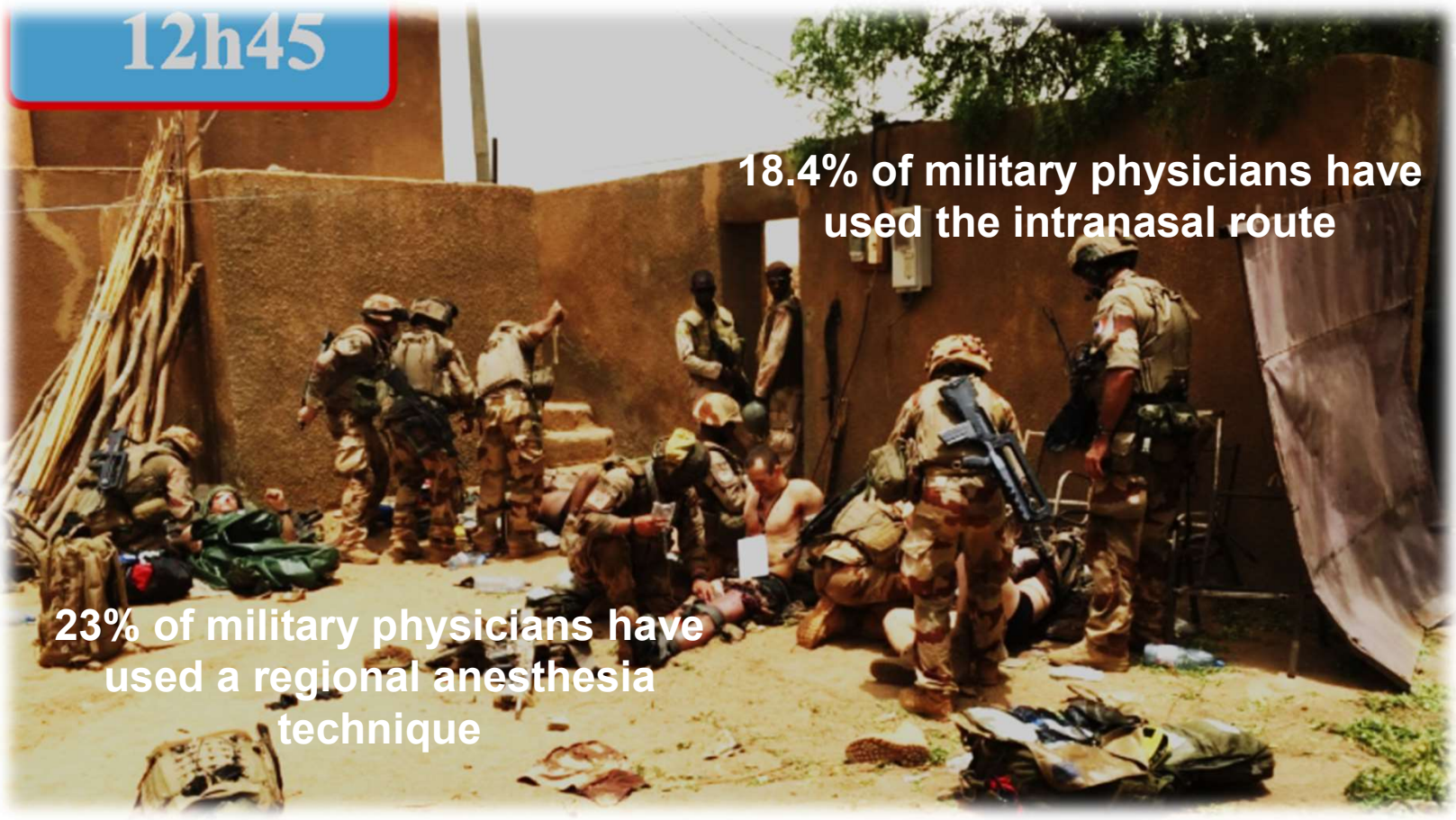
In real life ?

Unpublished datas, acknowledgements: Dr. N. Cazes

In real life ?



Montagnon J Spec Oper Med 2021
Chiniard Ann Fr Med Urg 2017

And at your friends ?

- 8,576 patients, **12.3% treated with an analgesic** in prehospital setting
- 74.7% Morphine / 13.6% Fentanyl / 9.6% Ketamine

Benov J Trauma 2017

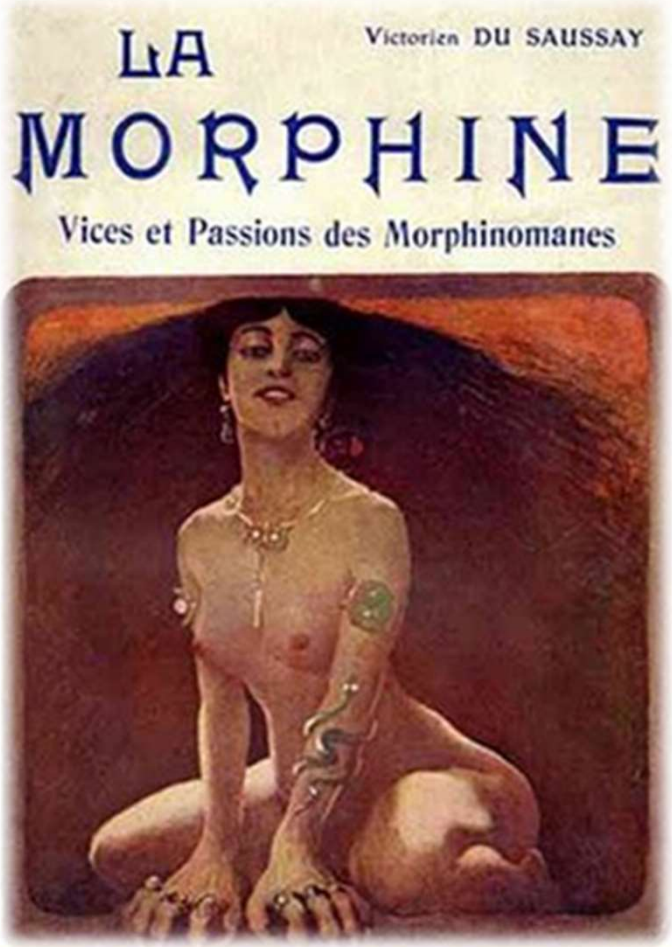
- 8,913 patients, **15% treated with an analgesic** in prehospital setting
- Pain monitoring : 7%
- 65% Morphine / 24% Fentanyl

Gerhardt Prehosp Emerg Care 2016

- 70% of military caregivers do not find pain management optimal on the battlefield
- 92% wanted a strong, fast-acting analgesic

Blankenstein Brit J Pain 2015

A historic and cultural unconscious mind



A frustrating topic

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Challenges of pain management on the battlefield…

- An area for improvement in our care

Parker BMJ Mil Heath 2022

- An issue of high-intensity conflicts
- A field for innovations

Montagnon J Spec Oper Med 2021

- A field for clinical research

Petz Mil Med 2015
Benov J Trauma 2017

- **An added value in favor of the presence of a physician at the front**

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…but also an interest in homeland in counter terrorism

Corcostegui Intern Emerg Med 2019

Take home messages

- A topic where we need to improve

- No magic potion

- Rediscover the added value of the **care**giver

Thank you for your attention