Slaying Prehistoric Practice

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Photo: Kristina Alexanderson

Photo: Shelly S

Photo: ESA
Knowing & Doing

Knowing is hard

Knowledge Translation Gap

Number Needed to Read 20-200
Half of what you know is wrong

Standard of care reversed 40.2% of cases

Knowing is hard...

Doing is harder

Standard of care reversed 35% of cases

IN 5 SURGEONS*

*100% COMPLIANCE IN WOMEN


We have a knowledge translation problem. It’s hard to do the right thing. Unlearning is the key.

You must unlearn what you have learned. - Yoda

We are emotionally tied to our knowledge.
Denial
Shock
Anger
Depression

Acceptance

TIME

MORALE/COMPETENCE

What?? What am I supposed to do without my laryngoscope? This is ridiculous!!

Dear Acerbik,
What do you call Pluto if it’s not a planet anymore? If you make it a planet again, all the on Pluto I see are all people who live there and want it to be a planet. Some people don’t. They don’t think it’s a real planet. Please write back in answer because I can’t read in answers.

Your friend,
Nikola Tesla

Deep In your heart...
is Pluto still a planet?

90% 10%

yes no

Uh, I’m just going to slide this in there real quick, what’s the harm...

Dear NASA,
Your Mom thought I was big enough.
Love, Pluto
You know where I can stick this laryngoscope??? Right up your....

Resuscitation is useless, why bother...

PLUTO
BEGINNING OF TIME - AUG. 2006

R.I.P.

Unlearning
Yoga for your brain

Unlearning...
Requires flexibility
Requires training
Training

Early Exposure

Repeated Exposure

Community

Free Open Access Medical Education
Blogs
Podcasts

UNLEARNING: THE WORKOUT
The Latest Myth: Contrast-Induced Nephropathy?

Here’s the simple explanation for why some of our observed treatments to prevent contrast-induced nephropathy — acetylcysteine, furosemide, aminogluthethimide — didn’t work.

CT is a myth.

Do CT scans cause contrast nephropathy?

March 23, 2015 by Josh Farley — FOAMrn

Episode 65 — Contrast-Induced Nephropathy and Genitourinary Trauma

ACR Manual on Contrast Media v 10.3 2017


Needle decompression... where?
ATLS: >50% will fail with 5cm needle

Midclavicular
Avg depth: 4.28cm

Pulse check
... if an organized rhythm is observed, a pulse check should be performed.

Axillary
Avg depth: 3.42cm

Fails 8-22%

Fails 24-54%

2nd ICS MCL

Laan D V., Vu TDN, Thiels CA, et al. Fails 24-54%
Fails 8-22%

Pulse Check

Circulation. 2010;122[suppl 3]:S729–S767.

Lessons Hard Learned: Ultrasound Lessons with Dr Matt Dawson

Episode 71 ACLS Guidelines 2015 – Cardiac Arrest Controversies Part 1

ATLS: >50% will fail with 5cm needle
American Heart Associations

"Because of difficulties with pulse assessments, interruptions in chest compressions for a pulse check should be minimized during the resuscitation, even to determine if ROSC has occurred"


Pulse check

2%
Recognize pulseless patient in 10 sec


Pulse check

ACCURACY

78%


Pulse Check

Only if organized rhythm observed

↑ ETCO2


References:
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