Acupuncture in the ED

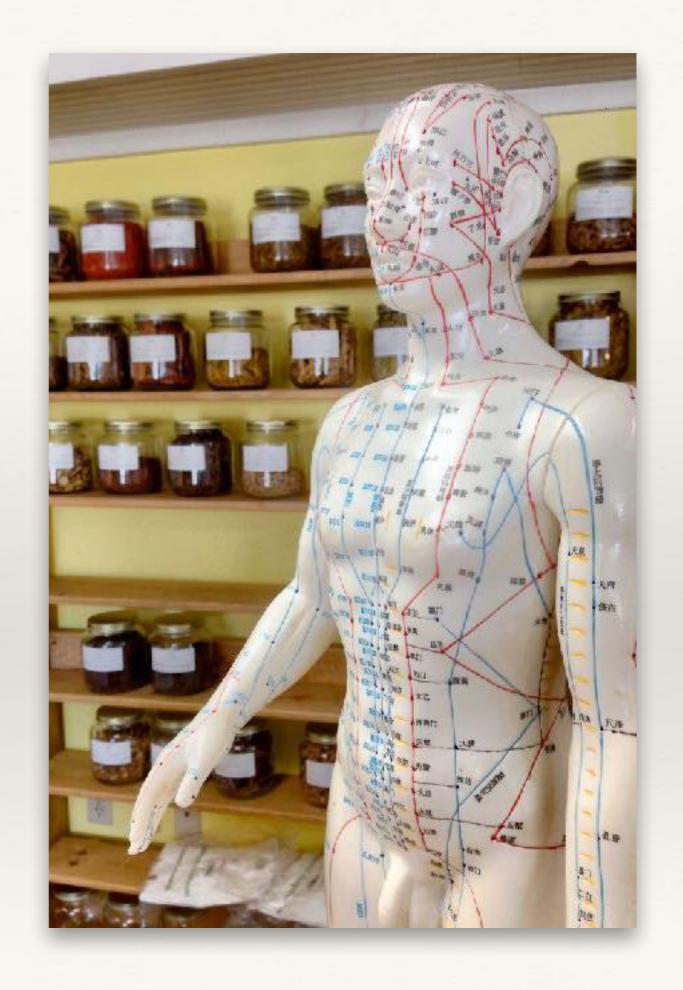


July 2019 New York Chapter American College of Emergency Physicians

Acupuncture

Traditional Chinese Medicine

Meridians
Chi/Qi
Blocked
Setting of Needles
Restore Balance



Acupuncture for Pain in the ED?



Cohen et al. Acupuncture for analgesia in the emergency department: A multicentre, randomised, equivalence and non-inferiority trial. MJA 2017



Acupuncture for Pain in the ED?

- * No statistical difference between groups
- * < 20% had a clinical reduction (<4)
- * < 40% had a statistical reduction of pain (>2 point drop)

	All Patients	Acupuncture Only	Acupuncture + Pharm	Pharma Only	Р
Clinically Relevant	16%	13%	17%	17%	0.56
Statistical Relevant	36.9%	33%	38%	39%	0.49

Acupuncture for Pain in the ED?

- * Blinding
- * Sham
- * Straw Man
- * Consecutive
- Selection Bias

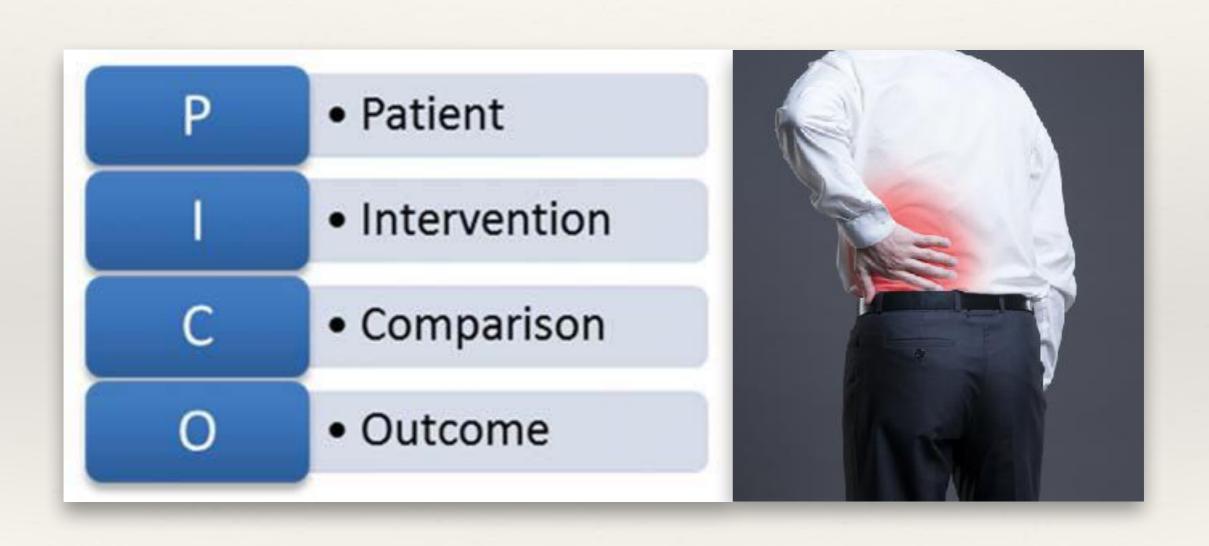


SGEM#187: No good evidence

Blinding



Beltaief K et al. Acupuncture versus titrated morphine in acute renal colic: a randomized controlled trial. J Pain Res. 2018



Acupuncture for Renal Colic?

- * No statistical difference between groups
- * Acupuncture 87% vs. morphine 83%
- * Faster with acupuncture



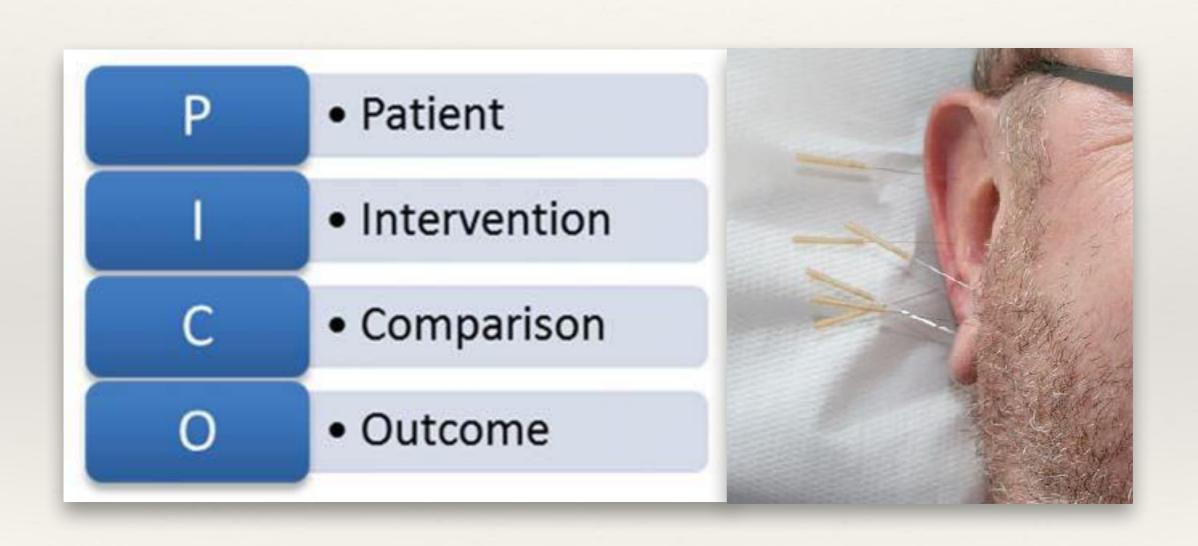
Acupuncture for Renal Colic?

- * Randomization
- * Blinding
- * Sham
- * Characteristics
- * Composite Outcome



SGEM#220: Claim not supported

Fox LM et al. Battlefield acupuncture to treat low back pain in the emergency department. Am J EM 2018



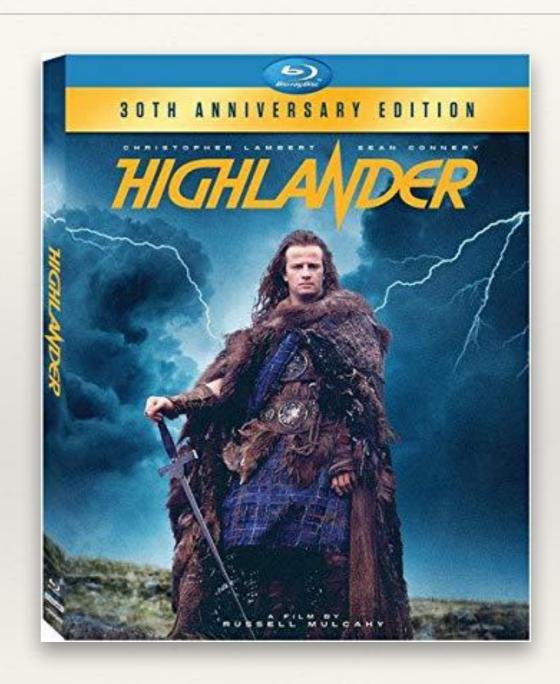
Battlefield Acupuncture?

- * No statistical difference in GUGT
- * Statistical benefit in pain reduction with acupuncture at 60min



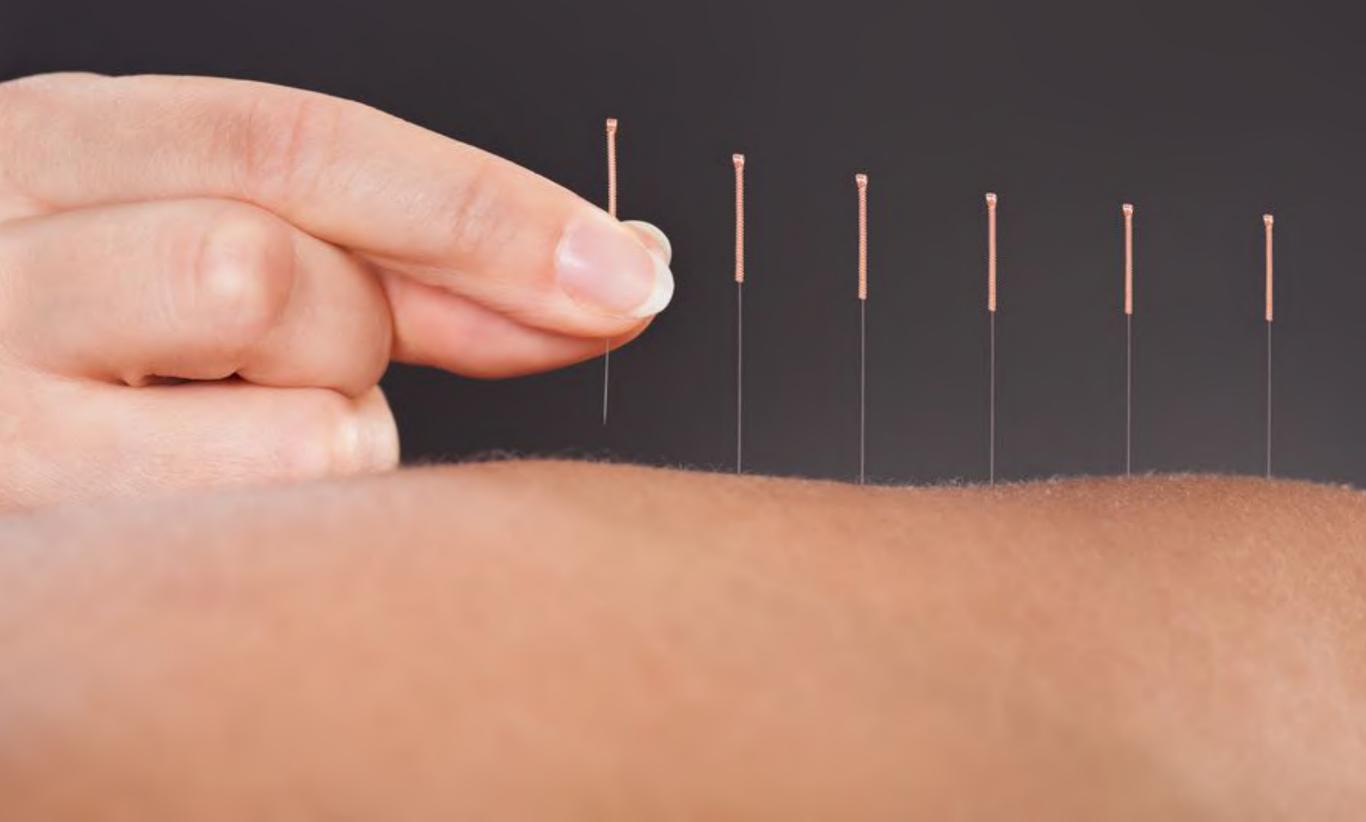
Battlefield Acupuncture?

- * Blinding and Sham
- * Small (n=25)
- * Clinical Significance?
- * 2 Primary Outcomes
- * www.ClinicalTrials.gov

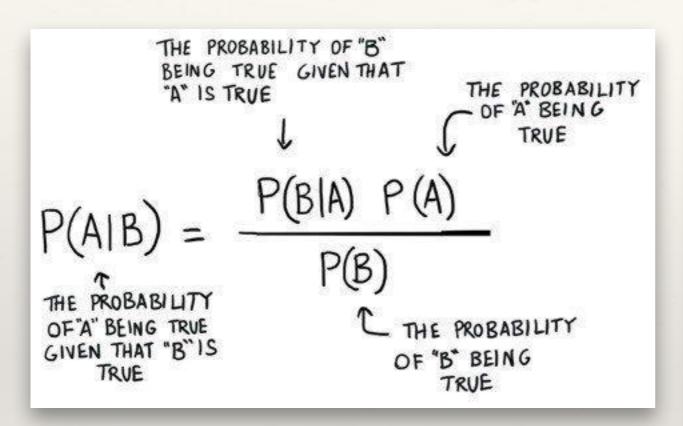


SGEM#224: Cannot recommend

What about the harms?



Bayesian Thinking

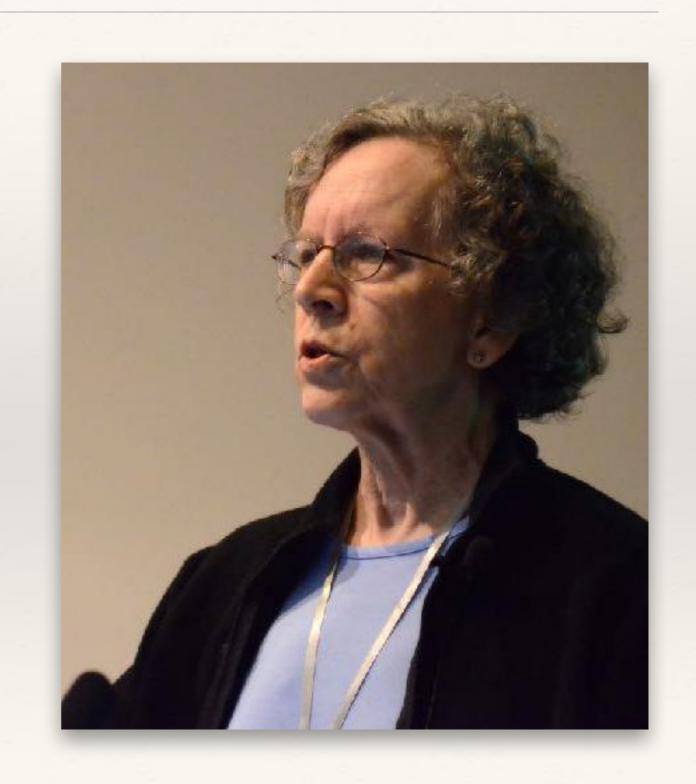


* Posterior probability is dependent on prior probability.



Tooth-Fairy Science

- * Dr. Harriet Hall
- * Beyond EBM
- * Science-Based Medicine



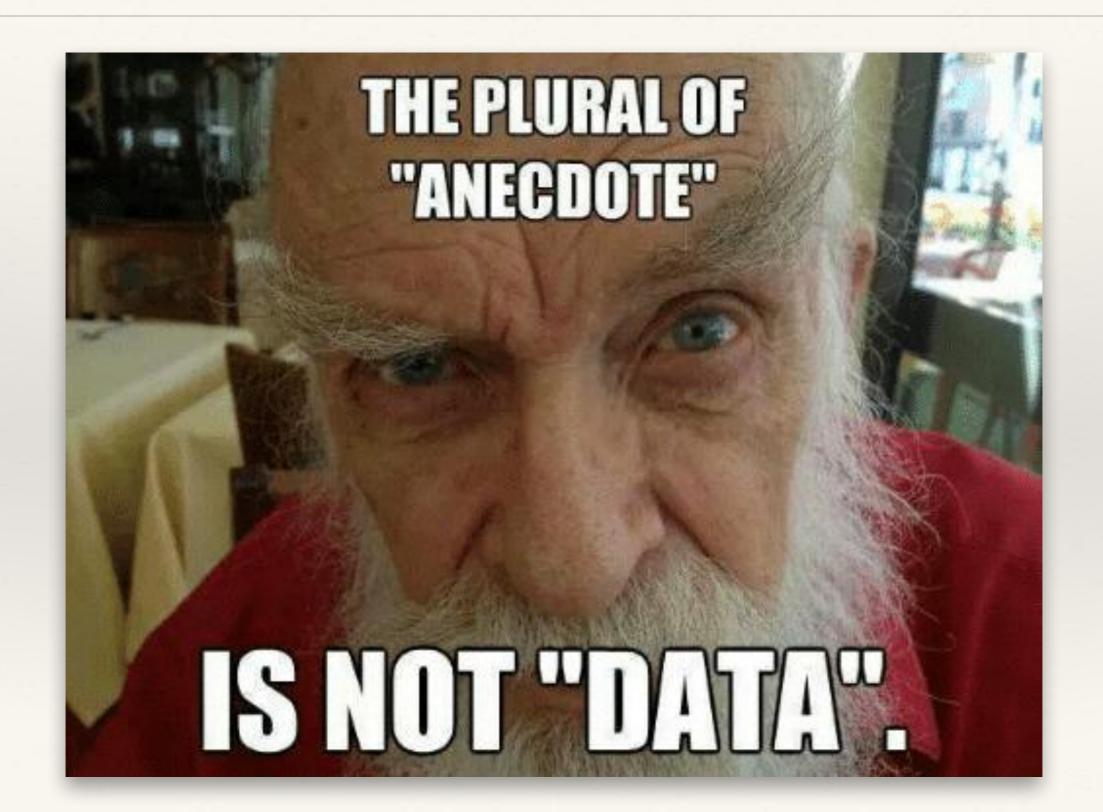
Acupuncture



Straw Man



Anecdotal



Appeal to Emotion



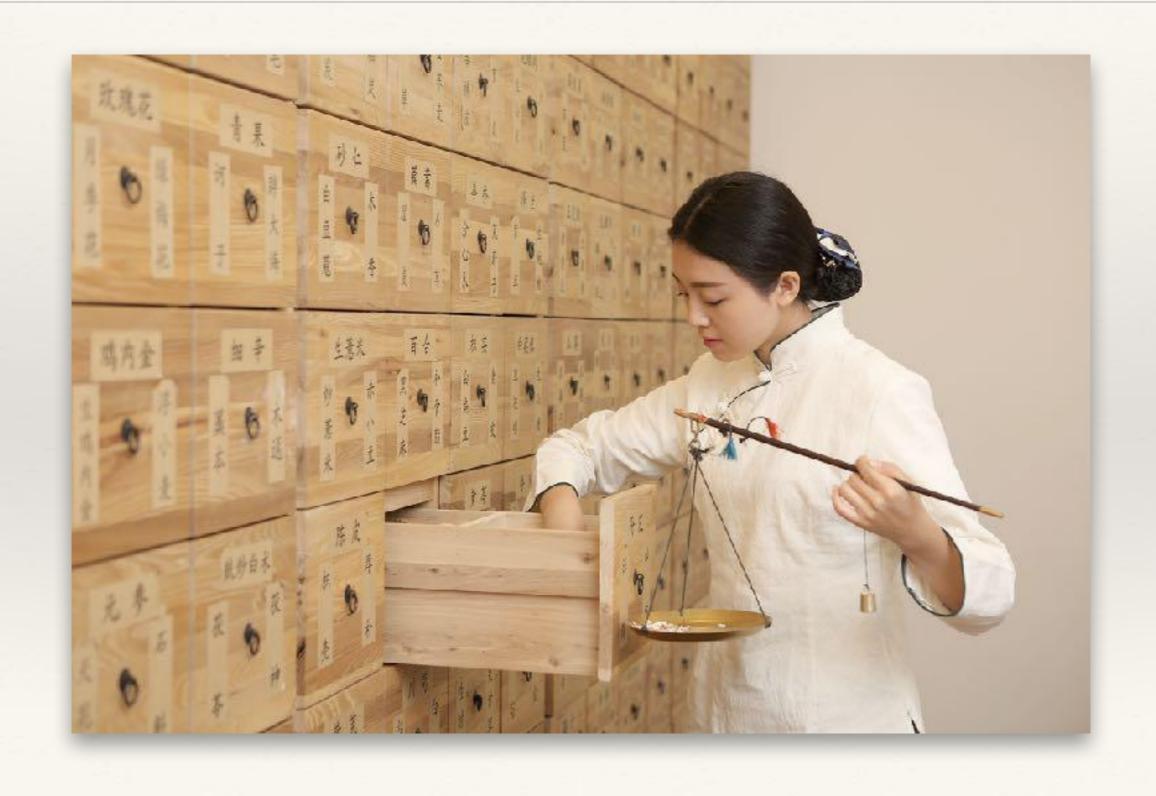
Ad Hominem



Bandwagon



Appeal to Tradition



Burden of Proof



Acupuncture in the ED?

