

MIND THE GAP

Knowledge[^] Translation

**Education & Learning for the 21st
Century EM Physician**



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High-quality Clinically Relevant Evidence

Awareness

Acceptance

Applicable

Act On

17

YEARS

• Tort reform
• Interdisciplinary education
• Balanced commercials

• Accessible appraisals
• Automatic delivery of newsworthy, clinically relevant evidence

• Increased pragmatic clinical trials
• Clear description of demographics

• Original research description of evidence use at dissimilar clinical settings

• PDA or computer order entry prompts

• Community EBM education
• Appropriate incentives

Competing Influences, Marketing, Authoritarian Doctrine, Contradictory Experience, Poorly Differentiated Health versus Unhealthy Skepticism

Information Overload, Literature Search Deficiency, Inadequate Time, Inefficient Strategies

Resource Constraints
Skill Competence

Uncertain Interpretation, Uncertain Local Demographics, Clinically Significant Differences from Study Population

Information Overload, Competing Influences

Hectic ED Environment, Frequent Distractions, Competing Mandates

Patient Compliance, Forgetfulness



Optimal Patient Outcomes Based upon Best Evidence



Critically Appraisal of RCT



**"The medium is the message."
Marshall McLuhan**



"Anyone who tries to make a distinction between education and entertainment doesn't know the first thing about either."



Methods

Checklist

SGEM Xtra:
Make it So

Right Patients

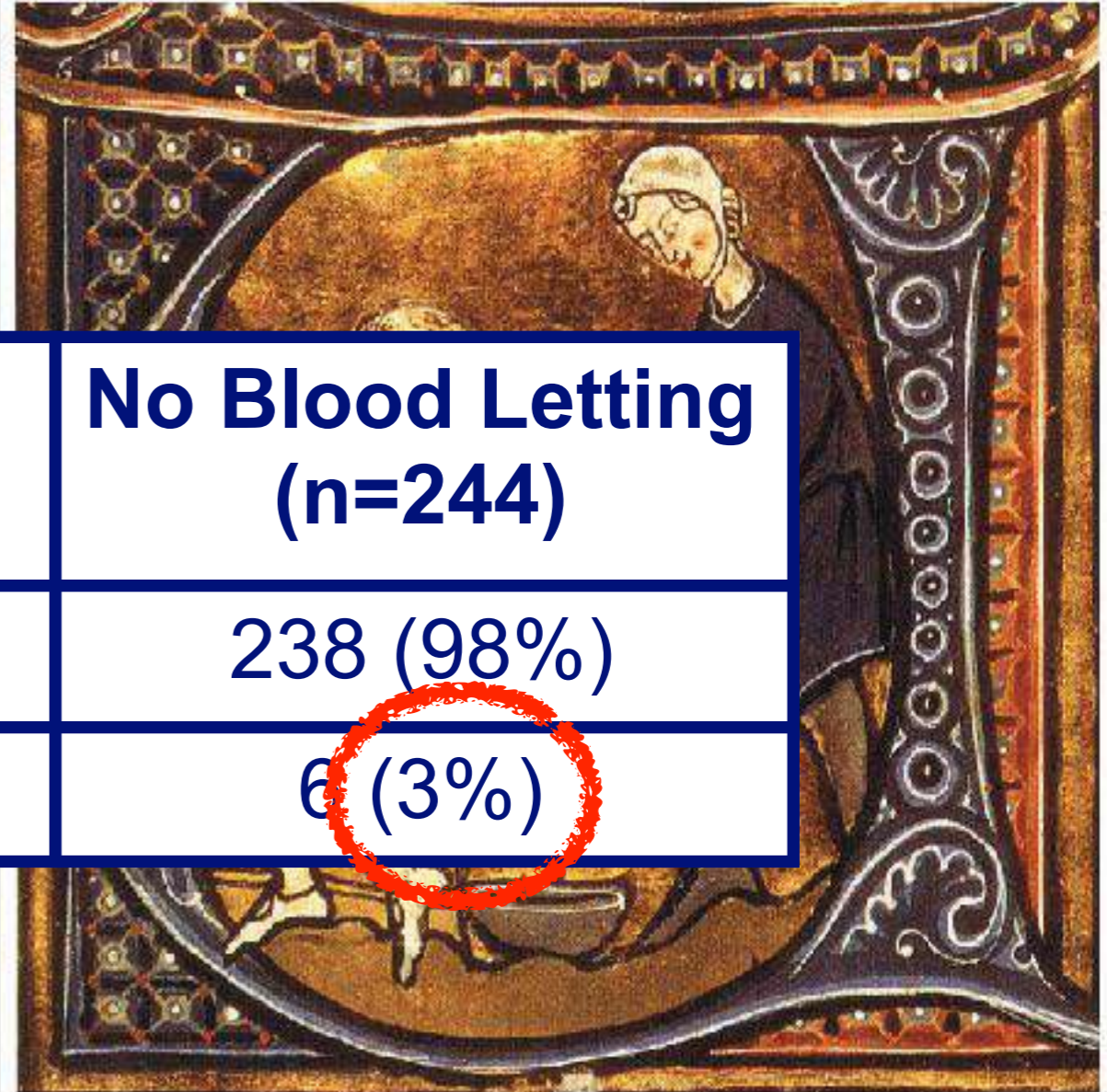


Randomization

DISSERTATIO MEDICA
INAUGURALIS
DE
SYNOCHO CASTRENSI;
QUAM,

	Blood Letting (n=122)	No Blood Letting (n=244)
Alive	87 (71%)	238 (98%)
Dead	35 (29%)	6 (3%)

ERUDITORUM EXAMINI SUBIECIT
ALEXANDER HAMILTON,
Scotus,
AD EXERCITIUM BRITANNICUM
CHIRURGUS.

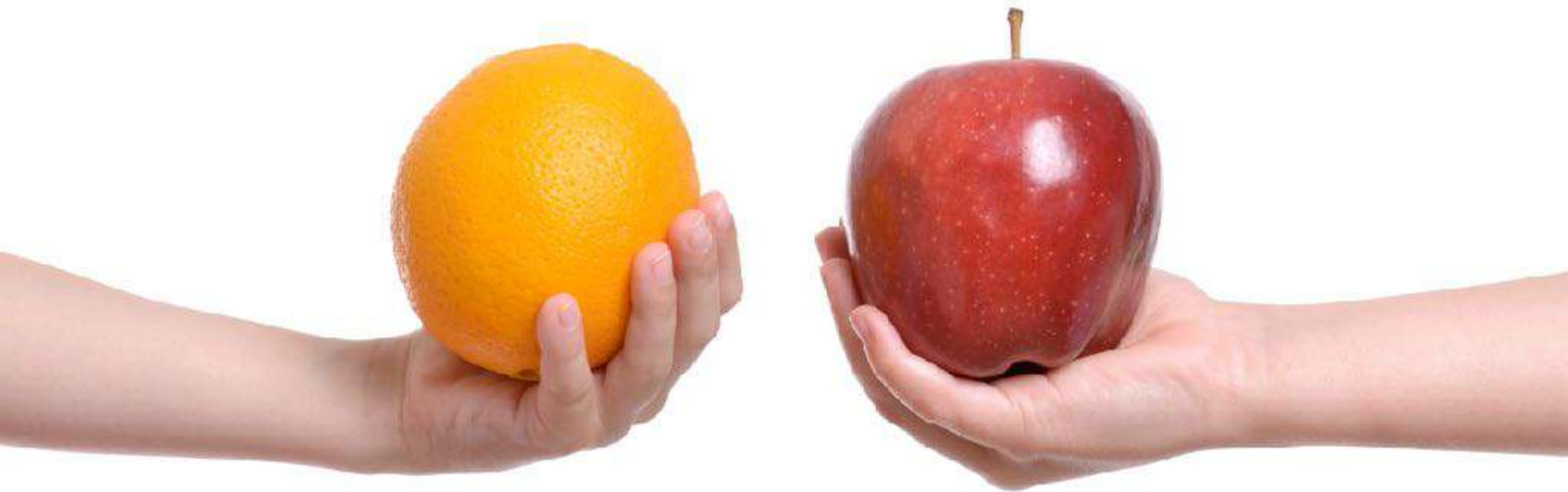


NNH 4

Consecutive



Similar



Blinding



Mesmerized

Treated Equal

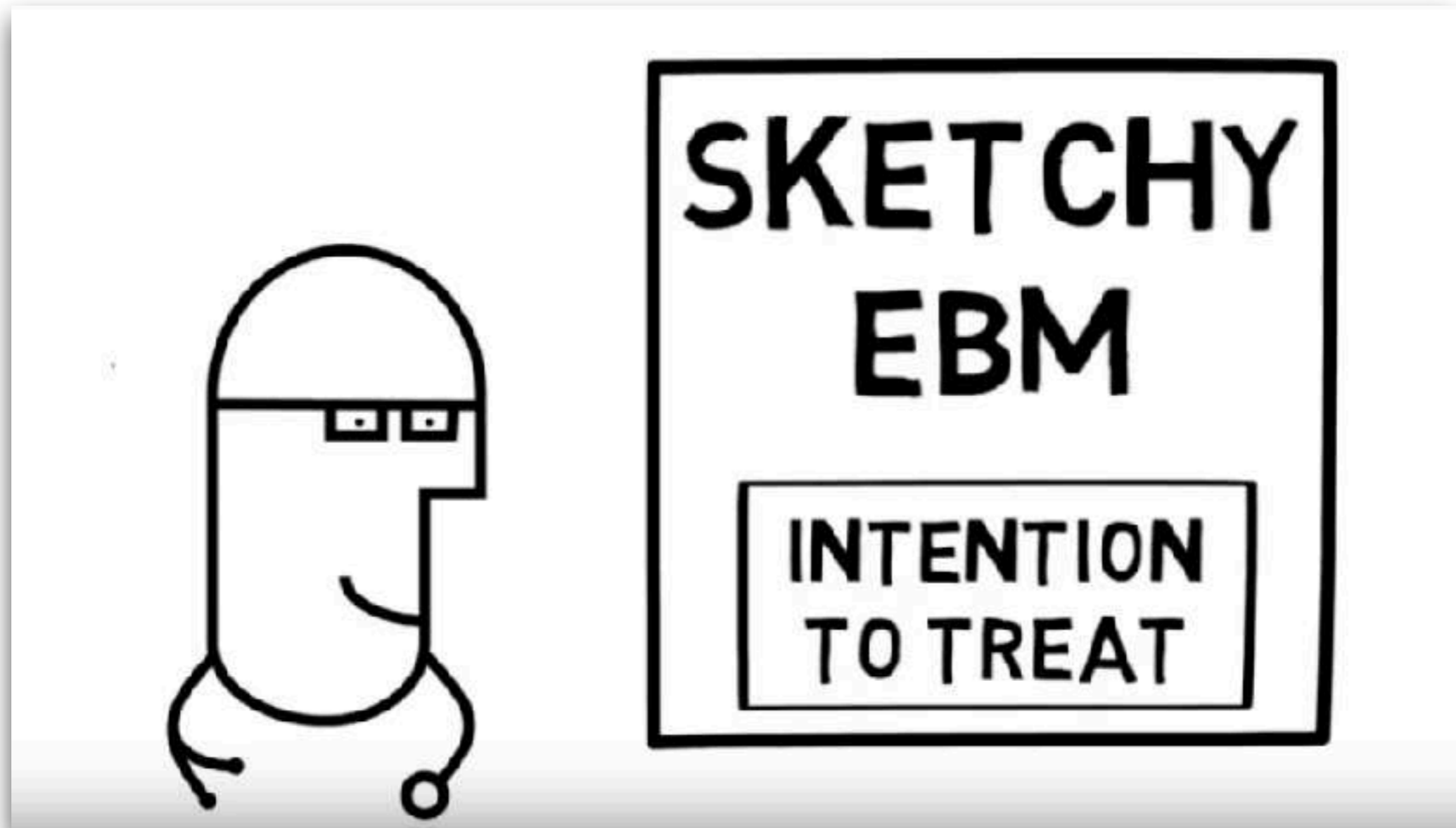




Follow

Up

ITT vs. PP



Draw your own conclusions

POO/DOO/LOO/MOO



Large and Precise



Practice Changing?



NNT & NNH





Sackett et al BMJ 1996

**Be a
skeptic**

**The Skeptics'
Guide to
Emergency
Medicine**

10 Years



1 Year

