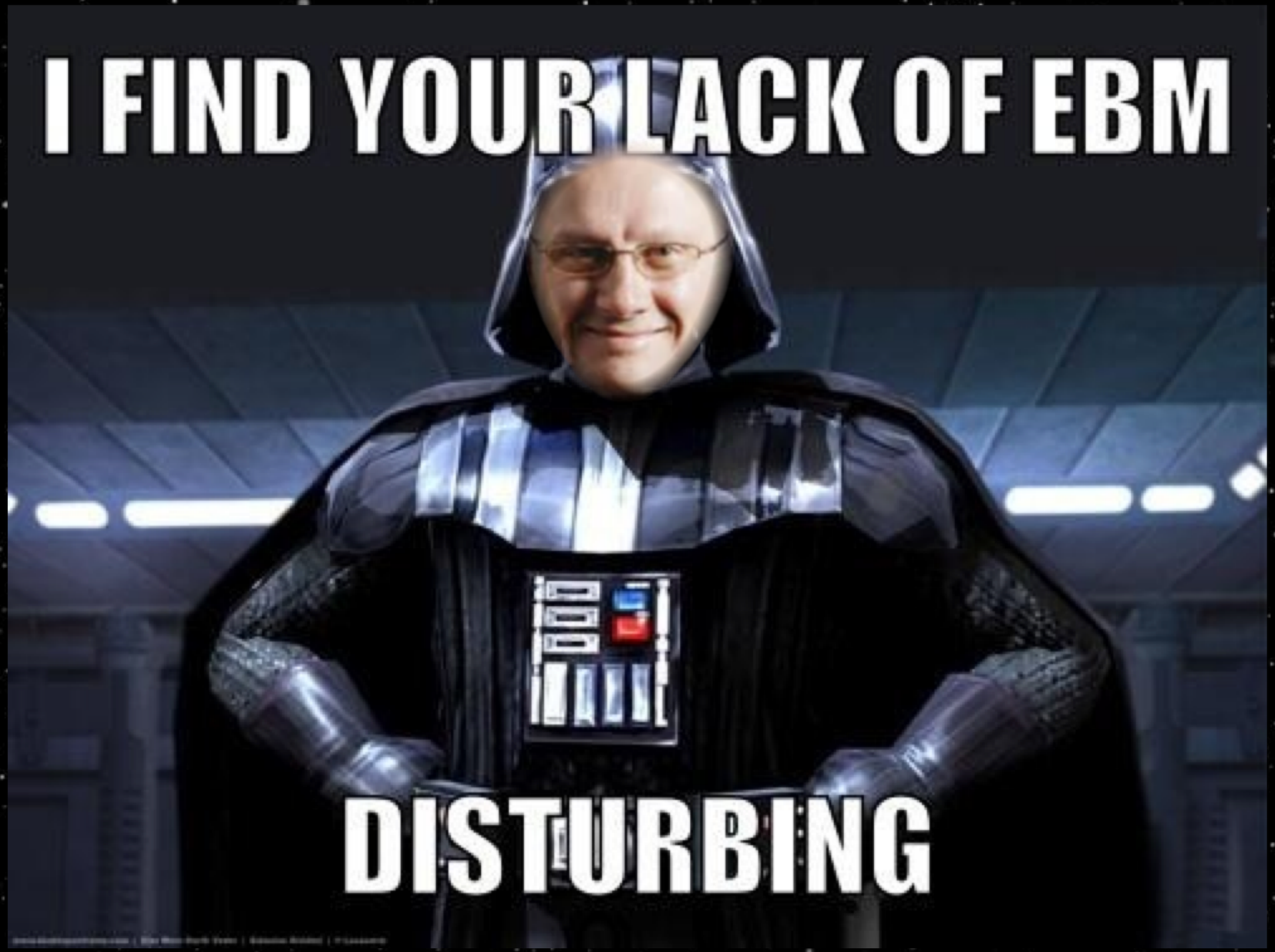
EM MYTH BUSTING



NNT = 1
IT ALL DEPENDS
BE A SKEPTIC

ED MYTH #1

PAIN MANAGEMENT AND SEDATION/ORIGINAL RESEARCH

Comparison of Intravenous Ketorolac at Three Single-Dose Regimens for Treating Acute Pain in the Emergency Department: A Randomized Controlled Trial

MOTOV ET AL ANNALS EM 2016

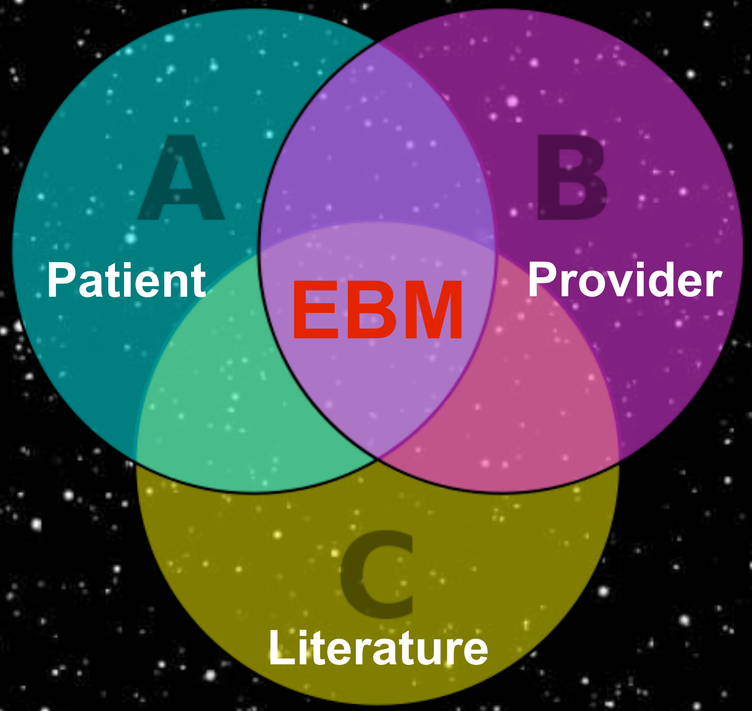
P	• Patient
I	• Intervention
C	• Comparison
O	• Outcome

KEY RESULTS AND LIMITATIONS

NO DIFFERENCE

KETOROLAC DOSING

USE 10MG IV KETOROLAC WHEN TREATING MODERATE TO SEVERE PAIN IN THE EMERGENCY DEPARTMENT.



SGEM#175: DANCING ON THE CEILING

ED MYTH #2

Contents lists available at ScienceDirect

American Journal of Emergency Medicine

journal homepage: www.elsevier.com/locate/ajem

Original Contribution

Effectiveness of glucagon in relieving esophageal foreign body impaction: a multicenter study☆,☆☆

BODKIN ET AL AM J EM 2016

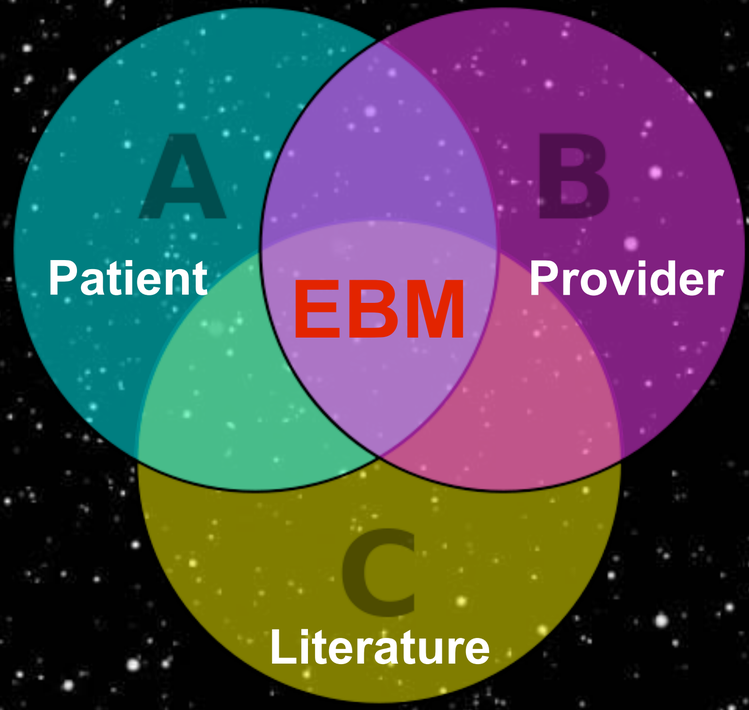
P	• Patient
I	• Intervention
C	• Comparison
O	• Outcome

KEY RESULTS AND LIMITATIONS

NO DIFFERENCE

GLUCAGON FOR ESOPHAGEAL FB

GLUCAGON HAS A LOW SUCCESS RATE FOR EFBI, DOES NOT SEEM TO OFFER MUCH BENEFIT OVER OBSERVATION ALONE AND IS ASSOCIATED WITH ADVERSE EVENTS LIKE VOMITING.



SGEM#169: STUCK IN THE MIDDLE WITH FOOD

ED MYTH #3

The NEW ENGLAND JOURNAL of MEDICINE

ORIGINAL ARTICLE

Intensive Blood-Pressure Lowering in Patients with Acute Cerebral Hemorrhage

QURESHI ET AL NEJM 2016

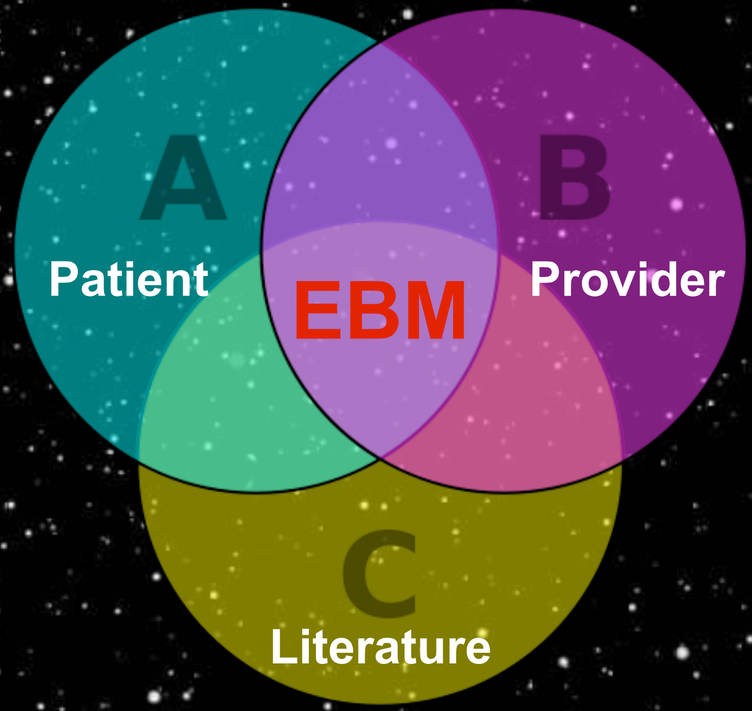
P	• Patient
I	• Intervention
C	• Comparison
O	• Outcome

KEY RESULTS AND LIMITATIONS

NO DIFFERENCE

SBP TARGET IN ACUTE ICH

INTENSIVE BLOOD PRESSURE REDUCTION DOES NOT PROVIDE BENEFIT OVER STANDARD BLOOD PRESSURE REDUCTION IN PATIENTS WITH ACUTE ICH.



SGEM#172: DON'T BRING MY BP DOWN (INTENSELY)

ZDOGGMD: DOC VADER

ED MYTH #4

Original Investigation

Effect of Dilute Apple Juice and Preferred Fluids vs Electrolyte Maintenance Solution on Treatment Failure Among Children With Mild Gastroenteritis

A Randomized Clinical Trial

FREEDMAN ET AL JAMA 2016

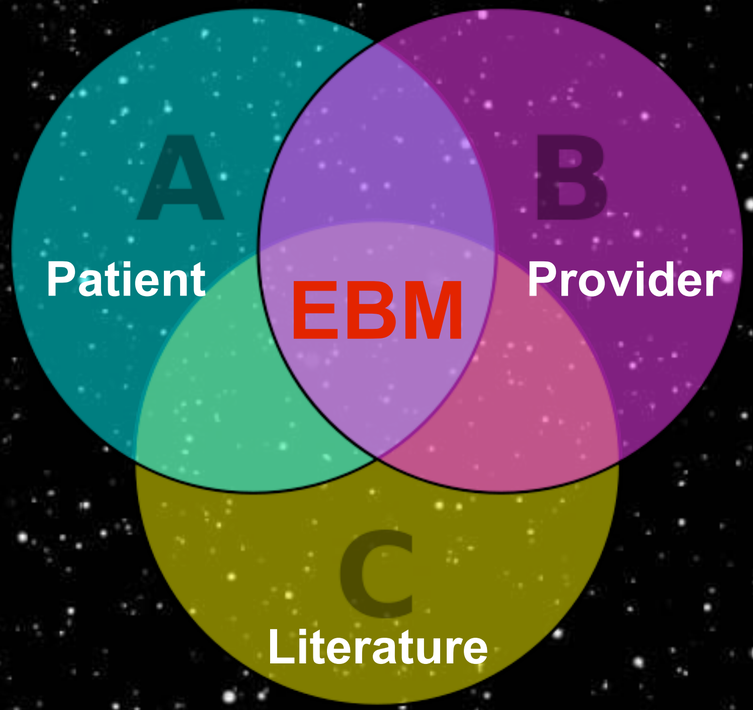
P	• Patient
I	• Intervention
C	• Comparison
O	• Outcome

KEY RESULTS AND LIMITATIONS

1/2 AJ/PREFERRED FLUIDS SUPERIOR

1/2 STRENGTH APPLE JUICE OR PREFERRED FLUIDS

OFFERING HALF-STRENGTH APPLE JUICE AND PREFERRED FLUIDS COMPARED TO ELECTROLYTE SOLUTIONS IS A BETTER CHOICE.



SGEM#158: TEMPTED BY THE FRUIT OF ANOTHER

ED MYTH #5

Does chest tube location matter? An analysis of chest tube position and the need for secondary interventions

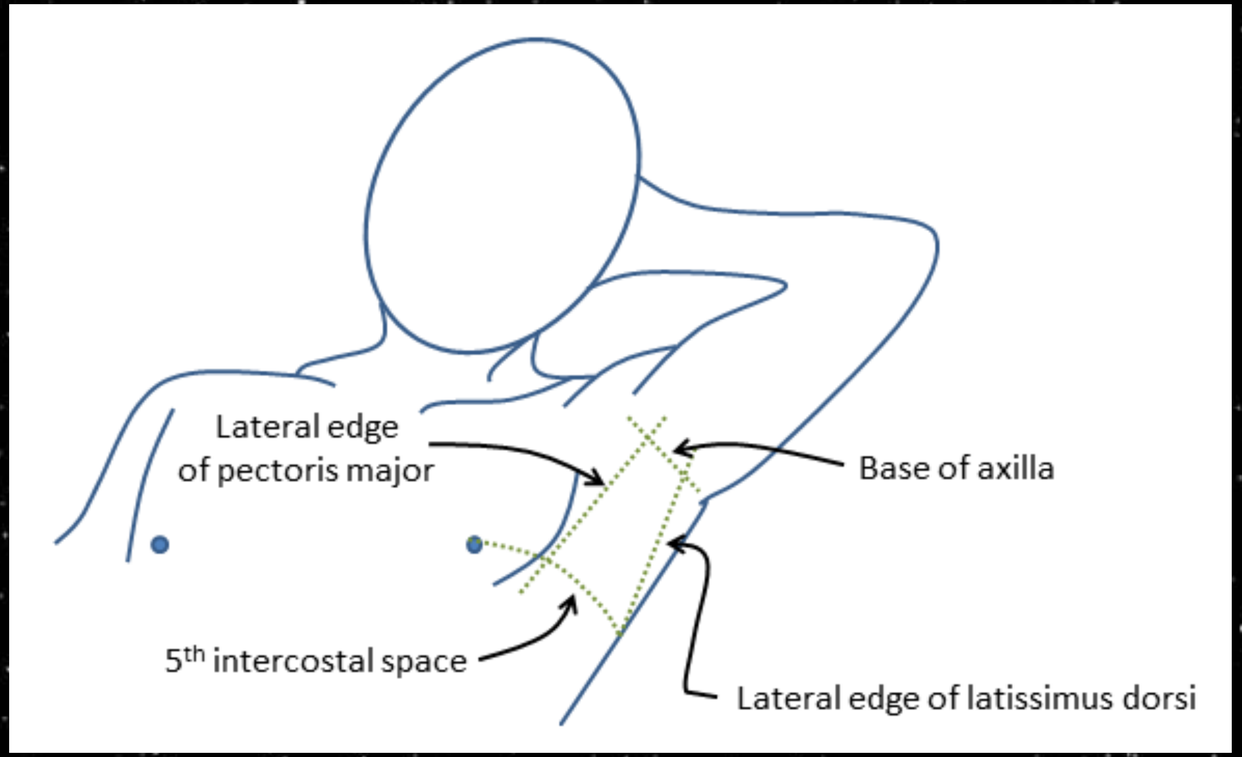
Matthew V. Benns, MD, Michael E. Egger, MD, Brian G. Harbrecht, MD, Glen A. Franklin, MD, Jason W. Smith, MD, PhD, Keith R. Miller, MD, Nicholas A. Nash, MD, *and* J. David Richardson, MD, *Louisville, Kentucky*

J TRAUMA ACUTE CARE SURG 2015

P	• Patient
I	• Intervention
C	• Comparison
O	• Outcome

KEY RESULTS AND LIMITATIONS

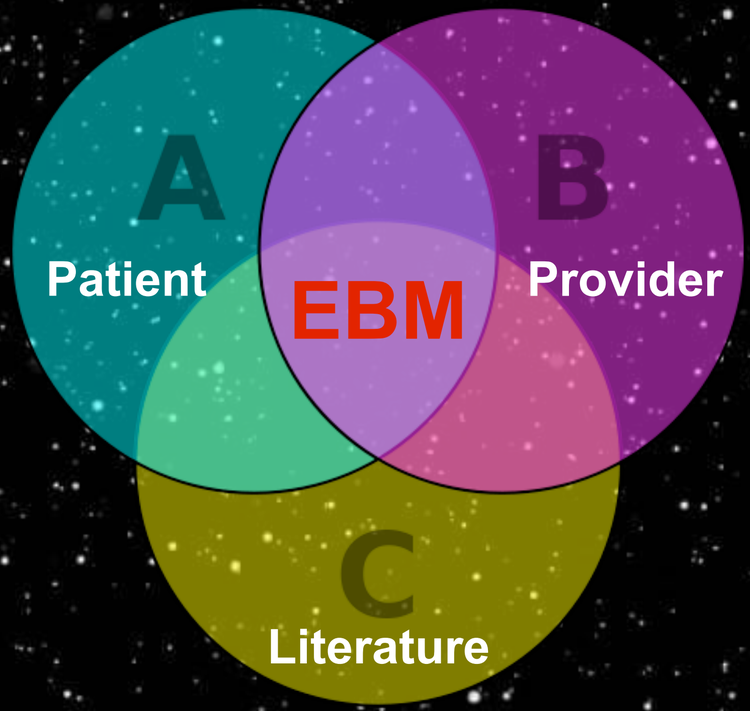
LOCATION DID NOT MATTER



TRIANGLE OF SAFETY

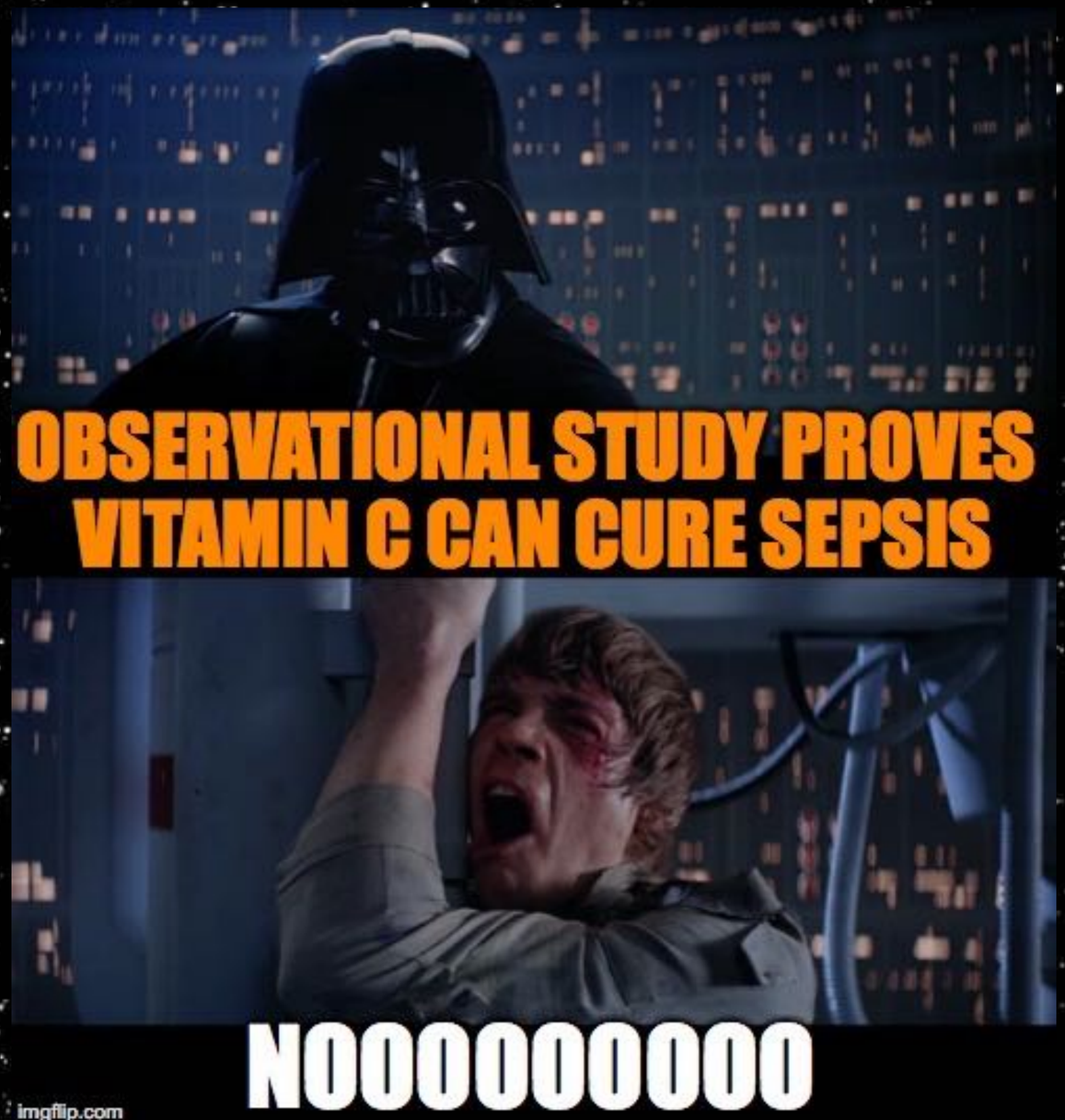
CHEST TUBE PLACEMENT

PUT IT IN THE CORRECT SIDE, IN THE TRIANGLE OF SAFETY AND IN THE PLEURAL SPACE.



SGEM#129: THAT CHEST TUBE...SHE'S A BEAUTY

EM MYTH #6


OBSERVATIONAL STUDY PROVES
VITAMIN C CAN CURE SEPSIS
NOOOOOOOOO
imgflip.com

Hydrocortisone, Vitamin C and Thiamine for the Treatment of Severe Sepsis and Septic Shock: A Retrospective Before-After Study

Paul E. Marik, MD, FCCM, FCCP, Vikramjit Khangoora, MD, Racquel Rivera, Pharm D, Michael H. Hooper, M.D., MSc, John Catravas, PhD, FAHA, FCCP

MARIK ET AL CHEST 2016

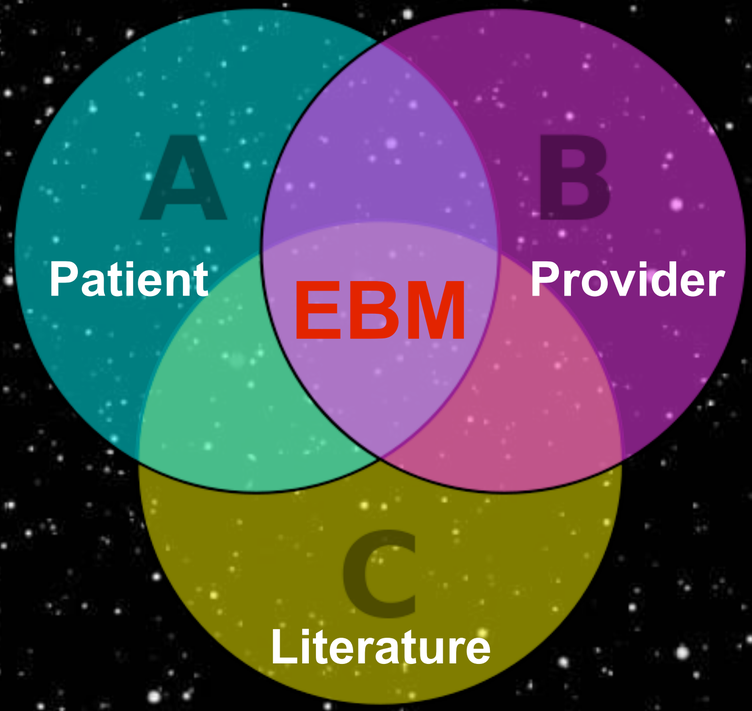
P	• Patient
I	• Intervention
C	• Comparison
O	• Outcome

KEY RESULTS AND LIMITATIONS

32% ABSOLUTE DIFFERENCE
NNT 3

VITAMIN C PROTOCOL FOR SEPSIS

VIT C PROTOCOL WAS ASSOCIATED WITH LOWER MORTALITY IN SEVERE SEPTIC AND SEPTIC SHOCK PATIENTS IN THIS ONE SMALL, SINGLE CENTER RETROSPECTIVE STUDY BUT CAUSATION HAS YET TO BE DEMONSTRATED.



SGEM#174: DON'T BELIEVE THE HYPE

ZDOGGMD: DOC VADER

SUMMARY

1. KETOROLAC - USE 10MG IV
2. GLUCAGON FB - NOT WORK
3. ICH TARGET SBP - <180MMHG
4. PED GASTRO - 1/2 APPLE JUICE
5. CHEST TUBES - LOCATION
6. VIT C - DON'T BELEIVE THE HYPE