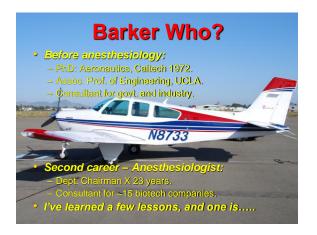
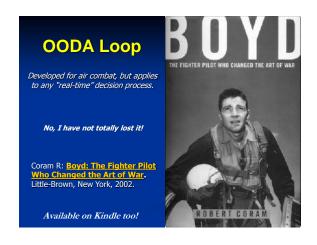


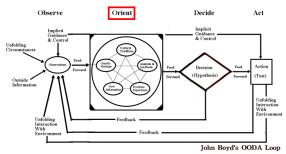
Lesson #1 SJB's Two Levels of Wisdom: • Level I: Learn from your mistakes. • Analyze them – understand all causes and effects. • Make plans for NOT repeating them. • Level II: Learn from MY mistakes! • And everyone else's too. • I've made more than you have, especially if you're < 6o.



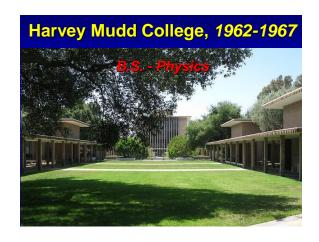




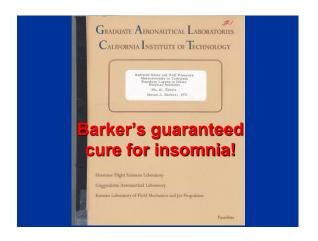
Boyd's "OODA Loop"

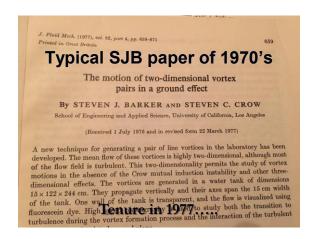


So, to learn anything from this talk, you need to know how I got here.....









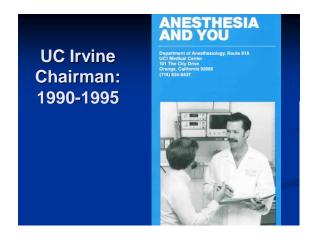


U of Miami School of Medicine MD - 1981



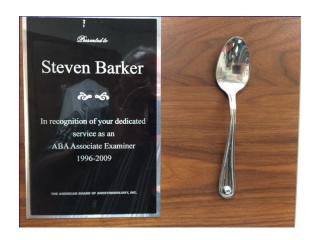




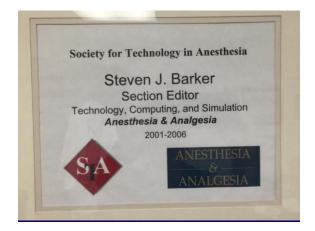




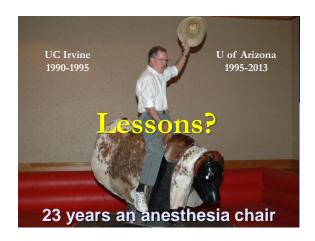






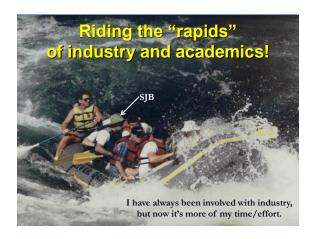


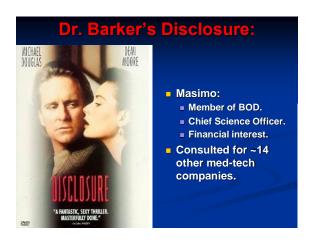




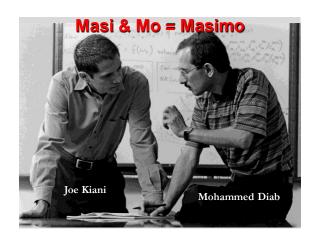
Chair Lessons + other administrator positions • Why do you really want to do this? • Is this the best use of your skills? • If "moving-up" is on your reasons list, DON'T! • Will you have the controls to do the good things that you need to do? • Remember who put you there (the dean) — he/she can take you out! • If your top five priorities include "keeping your job," it's time to quit!



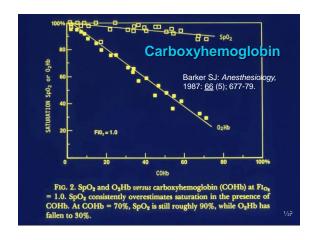


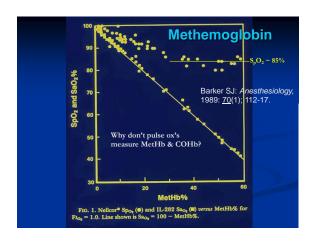


Chapter X: Biomedical Industry 1984 – 1990: I consulted for ~14 different med-tech companies, mostly on patient monitoring. Then in 1990, two young fellows came to my office....

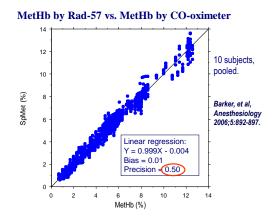
















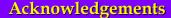




Lessons:

- WE can directly influence directions taken by med-tech industry. That's the fun part!
- The "American Dream" is still possible!
- It's becoming more difficult: increasing gov't "involvement" and our litigious society.
- Question: "Will it still be possible for our grandkids?"





Thank you for your help and materials on COI.

• Bruce Gingles

Vice President, Global Technology and Health Policy Cook Medical Group

Lance Stell, PhD

Professor of Medicine, UNC School of Medicine Thatcher Professor of Philosophy, Davidson College

Tom Stossel, MD

Hematology Division, Brigham and Women's Hospital Professor of Medicine, Harvard Medical School.

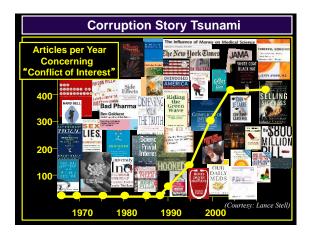
COI: Definition

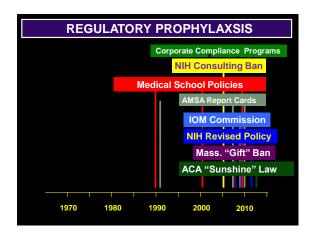
"A conflict of interest is a set of circumstances that creates a <u>risk</u> that professional judgment or actions regarding a primary interest will be <u>unduly</u> influenced by a secondary interest."

COI As an academician

- What is an "interest"?
 - Financial: Stockholder, options, income.
 - Control: BOD, officer, even consultants?
 - Nepotism: Family member (friend?) has interest!
- When is there a "conflict"?
 - When the responsibilities of your academic position or the interests of your academic institution may conflict with or be influenced by your industrial relationship.
 - Usually, just the appearance of a possible COI is enough to cause you trouble!



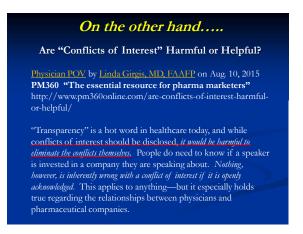




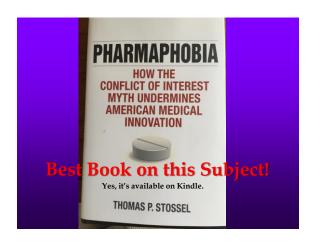
Are does really bought by "pens and pizza"?

- COI lobby says YES!
- Therefore, academic docs should <u>not</u> enjoy freedom of association with industry reps.
- At least one program does not allow residents to speak with reps unless a faculty "chaperone" is present.

REALLY?





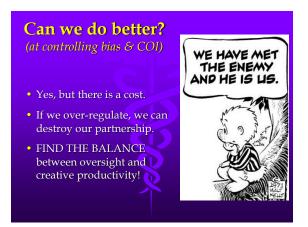


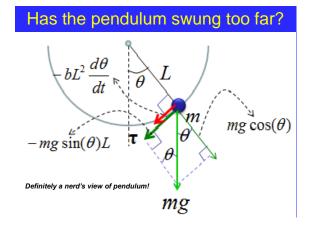
According to Stossel:

- The "COI Movement" assumes all academic-corporate relationships are driven by greed.
- All results of such relationships are suspect.
- Medicine is treated differently from all other professions in this regard.



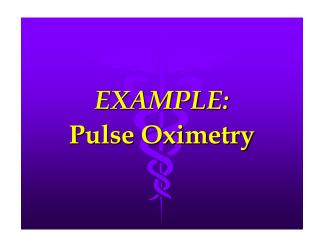


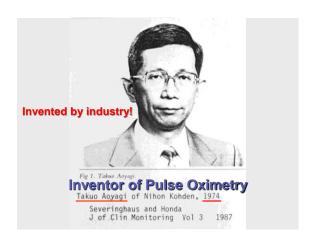


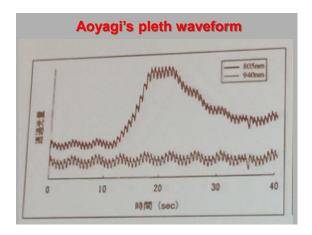








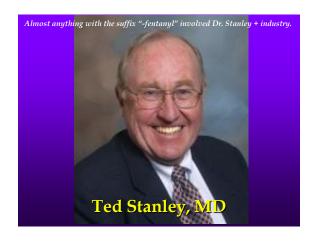






Pulse ox invented by industry. Developed and applied by academics. Back to industry for improvements. At least three cycles of this. BOTH required for success.

This marriage is productive! Some recent "children" of academic-industry marriage: • Sevoflurane, Desflurane, Propofol. • High-potency narcs, • Outpatient anesthesia. • Pulse oximetry & other O₂ monitors. • Capnography & agent monitoring. • Processed EEG (BiS, SedLine). • TEE. • Electronic medical records. • Cardiac output. A relationship to be cultivated, not persecuted!





Why does industry need academics?

- They <u>really</u> need the clinical perspective, orientation, priorities. For example:
 - What drugs are needed; what side effects are tolerable?
 - What should monitors measure? How accurate and reliable?
 - How are the data presented? How do clinicians use them?
- Human subject data.
 - They need access to our patients and volunteers for development studies.
 - They need us to conduct those studies -- scientifically , objectively and safely.
- Clinical application.
 - We show whether the final product has an impact on patient care and outcomes.

Why does academics need industry?

- Because there is no "National Institute of Anesthesiology"!
 - Only 17% of US academic anesthesia depts have any NIH support!
 - We need their financial support.
- Most of our research relates to DRUGS or TECHNOLOGY.
 - We don't develop the new drugs, and we don't invent most of the new technology.

CONCLUSIONS?

- Yes, academics and industry are an "odd couple," but they make great children!
- Including nearly every important new development in US medicine!
- Like any marriage, this one requires negotiation and adaptability.
- Maybe even some marriage counseling?



And Finally....

- Barker, Shander, Ramsey: "Evaluation of Continuous, Noninvasive Hemoglobin Monitoring and Its Role in Clinical Practice" – A & A Open Mind Paper in press.
- With Pro-Con debate on IP by Shelley & Barker.
- Published through efforts of Maxime Cannesson, Section Editor.
- Accompanied by an excellent editorial by Steve Shafer.
- STA DOES IT AGAIN! Makes the academicindustry partnership happen!





