

Disclosures
Neither speaker has any pertinent disclosures for this lecture topic

# **Purpose of Course**

- To reduce risk of medical errors occurring in optometrists' offices
- To improve patient safety
- As of May 8, 2002 a new rule has been added to 64B13-5.001 (8). Licensees are required to complete a 2-hour course relating to prevention of medical errors as part of the licensure and renewal process

# **Purpose of Course**

- The Florida State legislature mandated that all licensees must complete a two-hour course on prevention of medical errors
- The 2-hour course shall count towards the total number of continuing education hours required for the profession.
- Shall include a study of root cause analysis, error reduction and prevention, and patient safety

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# **Epidemiology**

- <u>November 1999</u>, the IOM revealed a hidden epidemic in the United States:
   <u>Medical errors result in injury to 1 in every 25 hospital patients</u> and an estimated <u>44,000 to</u>
   <u>98,000 deaths each year.</u> Even the lower estimate makes medical errors more deadly than breast
   cancer (42,297), motor vehicle accidents (44,368) or AIDS (15,516).
- ("To Err Is Human: Building A Safer Health System." Institute of Medicine. December 1999.)

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# Epidemiology

- Medical errors cost the economy from \$17 to \$29 billion each year.
- Agency for Healthcare Research and Quality (AHRQ) has shown that medical errors result most frequently from systems errorsorganization of health care and how resources are provided in the
- organization of health care and how resources are provided in the delivery system.
  - Only rarely are medical errors the result of carelessness or misconduct of a single individual.

# 1999 INSTITUTE OF MEDICINE (IOM) REPORT—IS LIMITED AND OUTDATED.

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 1999 IOM report <u>underestimated</u> the magnitude of the problem
 <u>A 2004 report of inpatient deaths</u> associated with the Agency for Healthcare Quality and Research Patient Safety Indicators in the <u>Medicare population estimated that 575000 deaths were caused by</u> <u>medical error between 2000 and 2002, which is about 195 000 deaths</u> <u>a year</u>

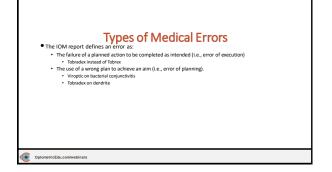
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 In 2008, 180 000 reported deaths due to medical <u>error</u> a year among Medicare beneficiaries alone.

 <u>Classen</u> et al described a rate of <u>1.13%. If this</u> rate is applied to all registered US hospital admissions in 2013 it translates to over 400 000 deaths a year, more than four times the IOM estimate.

Classen D, Resar R, Griffin F, et al. Global "trigger tool" shows that adverse events in hospitals may be ten times reater than previously measured. Health Aff2011,**30**:581-9







 An adverse event is an injury caused by medical management rather than the underlying condition of the patient (e.g. allergic response to a drug). An adverse event attributable to error is a preventable adverse event, also called a sentinel event, because it signals the need to ask why the error occurred and make changes in the system (prescribing drug to which patient is allergic because you didn't ask).

# Why Errors Happen a take Errors active errors occur at the level of the frontline operator, and their effects are felt aimost immediately.

# WHY ERRORS HAPPEN

 Latent errors: Latent errors tend to be removed from the direct control of the operator and include things such as poor design, incorrect installation, faulty maintenance, bad management decisions, and poorly structured organizations.

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# Latent Error – Sentinel Event

- Pt develops CN III palsy from aneurysm
- Treatment choices: aneurysm clip or endovascular coil packing
   Successfully treated with aneurysm clip
- All coils are inert and MRI safe; not all clips are MRI safe
- Radiology tech doesn't verify type of clip
- Pt undergoes F/U MRI with non-MRI safe clip in major medical center
- Clip displaces during MRI
- Patient has fatal hemorrhage during procedure
- Patient survived disease...but not the treatment



# **Diagnostic Inaccuracies**

- Incorrect diagnoses may lead to incorrect and ineffective treatment or unnecessary testing.
- Inexperience with a technically difficult diagnostic procedure can affect the accuracy of the results.
  - Study that demonstrated that measuring blood pressure with the most commonly used type of equipment often gives incorrect readings that may lead to mismanagement of hypertension.

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# **Diagnostic Inaccuracies**

- Types of Diagnostic Error
- Misdiagnosis leading to an incorrect choice of therapy (Steroid Combo med on a Dendrite)
  Failure to use or order an indicated diagnostic test (VF, CV, eye not correctable to 20/20)
  Misinterpretation of test results

  - Failure to act on abnormal results

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# Conditions that Create Errors Precursors or Preconditions • A need to have the right equipment, well-maintained and reliable

- A skilled and knowledgeable workforce
   Reasonable work schedules
- Well-designed jobs
- Clear guidance on desired and undesired performance
- · Preconditions are latent failures embedded in the system

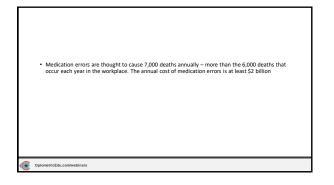
# Factors and Situations That Increase the **Risk of Errors**

- Fatigue
- Alcohol and/or other Drugs
- Illness
- Inattention/Distraction
- Emotional States
- Unfamiliar Situations
- Communication Problems
- Illegible Handwriting
- OptometricEdu.co

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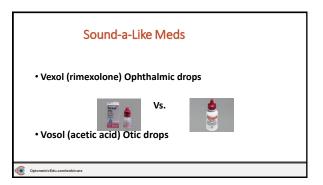
# **Medication Errors**

• Problems related to the use of pharmaceutical drugs account for nearly 10 percent of all hospital admissions, and significantly contribute to increased morbidity and mortality in the United States (Bates. 1995).



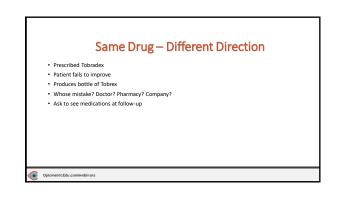


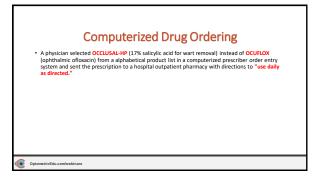




# Sound-a-Like Meds Case • Tobrex (tobramycin) Ophthalmic drops • A pediatric ophthalmologist prescribed TOBREX (tobramycin) 0.3% ophthalmic drops for a one-month-old infant with a dacryocystitis (one drop TID to the left eye). The physician indicated this drug by checking off a space on a preprinted prescription order form which listed 12 different ophthalmic drops including TOBRADEX (tobramycin and dexamethasone) Ophthalmic drops • A pediatric ophthalmologist prescribed TOBREX (tobramycin) 0.3% ophthalmic drops for a one-month-old infant with a dacryocystitis (one drop TID to the left eye). The physician indicated this drug by checking off a space on a preprinted prescription order form which listed 12 different ophthalmic drops including TOBRADEX (tobramycin and dexamethasone) Ophthalmic drops • Tobradex (tobramycin and dexamethasone) Ophthalmic drops • Tobradex (tobramycin and dexamethasone) Ophthalmic drops

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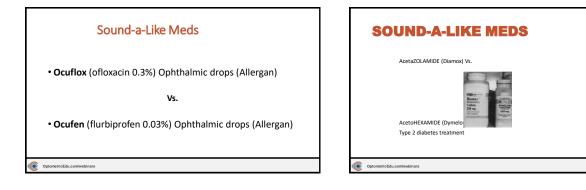


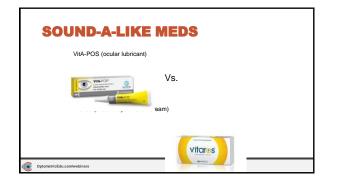
# Sound-a-Like Meds

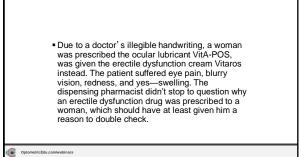
• Zymar (gatifloxacin) Ophthalmic drops

Vs.

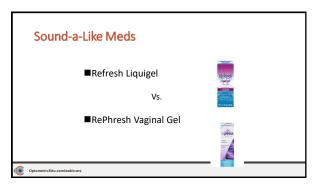
• Zymase (amylase, lipase, protease) capsules for digestion











# Look-a-Like Packaging

• The problem of packaging similarities with ophthalmic medications is related in part to FDA approval of a color-coding system by pharmacologic class, making all products within a class the same color.

# Look-a-Like Packaging

• Sulfacetamide, Tobramycin, Neomycin

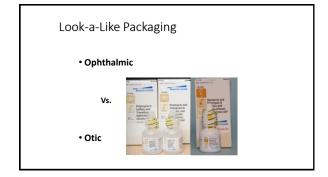










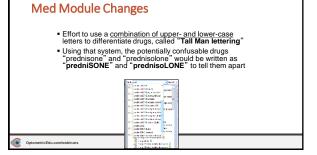














- Special care to Sound-a-like and Look-a-Like Medications
- Review your Erx thoroughly
- Have patient bring all medications that you' ve prescribed with them
- Patient Education

# **Error Prevention**

- Identification and Evaluation of Error
- Hospital Mortality and Morbidity Meetings
   Recourse free error reporting protocol
- Automated Equipment
   Recall system
   Medication ordering systems/software
- Professional Continuing Education

# Doctor-Patient Communication

Know all your patient's medications, vitamins and herbs

- Question about allergies and past adverse reactions to medications
- Write prescriptions legibly so patients and pharmacists can read them

# **New Prescriber Law**

 Florida Statute 456.42 A written prescription for a medicinal drug issued by a healthcare practitioner licensed by law to prescribe such drug must be legibly printed or typed so as to be capable of being understood by the pharmacist filling the prescription; must contain the name of the prescribing practitioner, the name and strength of the drug prescribed, the quantity of the drug prescribed in both textual and numerical formats, and the directions for use of the drugs; must be dated with the month written out in textual letters; and must be signed by the prescribing practitioner on the day when issued.

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# **Patient Education**

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- DO NOT rely on the Pharmacist!
- What is the medicine for?
- How is it supposed to be taken?
- What side effects are likely?
- What to do if side effects occur?
- Drug interactions?
- What food, drink or activity should be avoided or included?
- Have patient check meds from pharmacy
- Which generics are not acceptable
- Encourage Patient's questions!

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Inter and Intra professional communication

• Communicate with patient' s other healthcare providers to coordinate care.



# **Root-Cause Analysis**

- · Understanding Why Errors happen
- · JCAHO requires that a thorough, credible RCA be performed for each reported sentinel event. What Happened? Why did it happen? What do you do to prevent it from happening again?

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# **Patient Safety**

- · Stress dose adjustment in children and elderly patients
- · Limit Access to high hazard drugs
- · Use protocols for high hazard drugs
- · Computerized drug order entry
- Use pharmacy-based IV and drug mixing programs
- · Standardize drug packaging, labeling, storage
- Use "unit dose" drug systems (packaged and labeled in standard patient doses)

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# Patient/Office Safety

- Standards for Healthcare Professionals
- Licensing, Certification and Accreditation
- Role of Professional Societies
- Infection Prevention
- Tonometer tip, gonioprism, etc.
- OSHA
- CPR/EMS
- Handling common medical emergencies

Vasovagal Syncope

Onte

# **Populations of Special** Vulnerability

- Infants and Children
- Older Patients (Florida) Medication errors can have life-threatening or even fatal effects
- Hearing impaired
- Persons with Limited English Language Skills and/or Limited
- Literacy
- Bilingual care providers or translatorsHealth Literacy What did the Doctor say?
- · Mentally handicapped

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# Report of adverse incidents in the practice of optometry

Effective January 1, 2014, an adverse incident occurring in the practice of optometry must be reported to the department in accordance with this section.

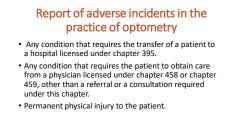
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# Report of adverse incidents in the practice of optometry The required notification must be in writing and

submitted to the department by certified mail. The required notification must be postmarked within 15 days after the adverse incident if the adverse incident occurs when the patient is at the office of the licensed practitioner. If the adverse incident occurs when the patient is not at the office of the licensed practitioner, the required notification must be postmarked within 15 days after the licensed practitioner discovers, or reasonably should have discovered, the occurrence of the adverse incident.

# Report of adverse incidents in the practice of optometry

For purposes of notification to the department, the term "adverse incident," as used in this section, means any of the following events when it is reasonable to believe that the event is attributable to the prescription of an **ORAL** ocular pharmaceutical agent by the licensed practitioner:



Partial or complete permanent loss of sight by the patient.

Death of the patient.

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# Report of adverse incidents in the practice of optometry

 The department shall review each incident and determine whether it potentially involved conduct by the licensed practitioner who may be subject to disciplinary action, in which event s. 456.073 applies. Disciplinary action, if any, shall be taken by the board.

# **New Study**

- Published 2024 Journal of Irreproducible Results and Senseless Studies
- Researched Sunday afternoon lectures
- Half of audience is asleep
- Of the half awake, 2/3rds are having some sort of beach fantasy...
- So...At this point:
- · 90% of you are enjoying this lecture!

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Reducing Medical Errors within the Optometric Practice

Malpractice and How it Happens – a Look at Some Cases

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# Role of the Expert Witness • Handle an adversarial situation • Be fair and objective • Be balanced • Be balanced • Optometry vs ophthalmology

# **Three Main Offenders**

- · Failure to detect retinal detachment
- · Failure to detect glaucoma Failure to detect tumor

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# In Other Words...

- Failure to listen to the patient
- · Failure to observe the signs Failure to make the diagnosis fit the findings
- Not vice-versa!
- · Failure to do the appropriate tests and follow-up · Failure to make the proper referral

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# Failure to Observe the Signs

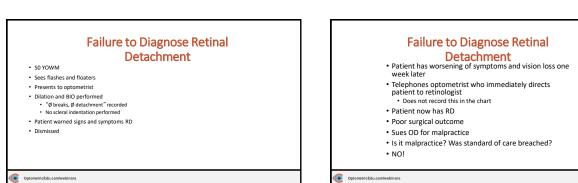
- A 16 year old male presents for contact lens fitting.
- His refraction is: +1.00 1.00 x 180 20/40
  - +0.75 0.50 x 005 20/20
- Fundus "WNL"; no c/d ratio
- · He is diagnosed with refractive amblyopia OD and fit with contact lenses.
- At 2 week f/u, his VA is 20/100 OD "good fit" recorded.

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# Failure to Observe the Signs

- One month f/u 20/200 OD "good fit"
- Discharged
- Annual exam: • Refraction unchanged – 20/400 OD, 20/20 OS
  - Fundus WNL
  - New lenses ordered
- Contact lens dispense "Right lens not clear" Retinal detachment OD
- Recommendation: Seek settlement

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# Failure to Diagnose Retinal Detachment

- Could OD have missed existing break?
- Yes
- Could break have been undetectable to best retinologist?
- Yes
- Could there have been no break initially and one formed after exam?
- Yes
- Bad outcome yes malpractice no

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# Failure to Diagnose Retinal Detachment

- Plaintiff attorney: "I have another optometrist that will swear that this is malpractice."
- Me: "Well, you better give him a call because I'm not doing it!"
  Plaintiff attorney: Even for \$\$?"
  - Me: "No!"

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# Failure to Diagnose Retinal Detachment

- "Friendly" retinologist deposed
- Plaintiff attorney: "Could Dr. XYZ have missed the retinal break?"
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- "Friendly" retinologist: "Well, yes. It is likely he did. He is not a physician, you know".



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# Another Retina Specialist Perspective

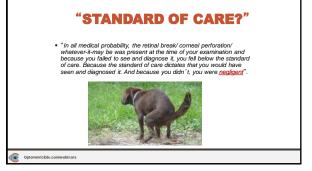
- Q. "Do you think that you as a medical doctor, as an ophthalmologist are better trained and equipped to rule out or rule in a retinal detachment than an optometrist?"
- A. "I think optometrists are trained or supposedly are trained in their field to be able to do a dilated fundus exam to diagnose retinal tears or detachments as well as any other eye care professionals."
- Q. "You believe an optometrist has the same expertise and ability to diagnose a retinal detachment or retinal tear as you do?"
- A. "Setting my ego aside, I would say that optometrists are trained to evaluate the peripheral retina as well as an ophthalmologist and that's my answer."

# Sometimes it is Black and White... or Worse

55 YOBM with 'weed whacker abrasion'
 2 ODs

- Shallow chamber; IOP < 5 mm; hypopyon</li>
- End Result?

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# Standard of Care and Negligence

- Negligence refers to a person's failure to follow a duty of conduct imposed by law.
- Every health care provider is under a duty to:
- use his/her best judgment in the treatment and care of his/her patient;
- to use reasonable care and diligence in the application of his/her knowledge and skill to his/her patient's care;
- to provide health care in accordance with the standards of practice among members of the same health care profession with similar training and experience situated in the same or similar communities at the time the health care is rendered

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# **Highest Degree of Skill Not Required**

 The law does not require of a health care provider absolute accuracy, either in his/her practice or in his judgment. It does not hold him/her to a standard of infallibility, nor does it require of him/her the utmost degree of skill and learning known only to a few in his profession. The law only requires a health care provider to have used those standards of practice exercised by members of the same health care profession with similar training and experience situated in the same or similar communities at the time the health care is rendered

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# Not Guarantor of Diagnosis, Analysis, Judgment or Result • A health care provider does not, ordinarily, guarantee the correctness of his/her diagnosis, analysis, judgment as to the nature of a patient's condition or the success of his/her health care service rendered. • Absent such guarantee, a health care provider is not responsible for a mistake in

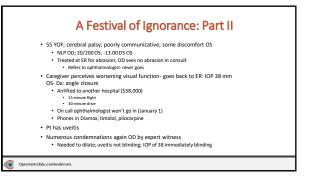
 Absent such guarantee, a health care provider is not responsible for a mistake in his/her diagnosis, analysis, judgment unless he has violated the duty (one or more of the duties) previously described.

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# Plaintiff Expert witness

- "Any delay in treatment was significant because the glaucoma progressed at an unusually rapid rate"
- "Disc pallor is common in glaucoma"
- "Glaucoma happens commonly with small cups"
- "When the IOP is very elevated, it often causes a swollen nerve"
- "You never consider ischemic optic neuropathy in a patient under 70 years"



Navigating the Lageal Process and Surviving the Deposition

# The Most Important Thing to Remember

It isn't personal...it's just business

# Am I Being Sued?

- Subpoena for your records
   Most likely not being sued
   Accidents, disability, etc.
  - Send immediately
  - 10-day window
  - Make sure records complete...and unaltered
- Notice of Intent to Litigate
   Now you are being sued
  - Now you are being sued
     I'll talk you off the ledge (joseph@optometricedu.com; 954-298-0970)

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# Notice of Intent to Litigate • Notice immediately tries to beat you into submission.

- Doesn't mention your care or your exam, but your
- negligence
  - "Prior to your negligence...", "As a result of your negligence...", "Was there anything subsequent to your negligence..."
- DO NOT respond to this yourself
  - Contact insurance company- get attorney
  - You must be honest- do not withhold information
    - · Saying, "That's not my signature" at deposition won't fly

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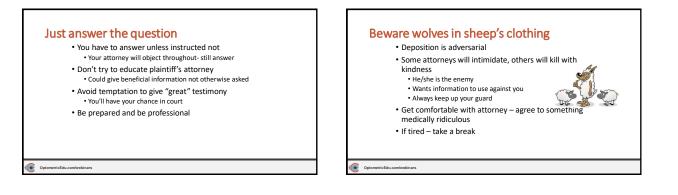
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# It All Lies in the Depositions

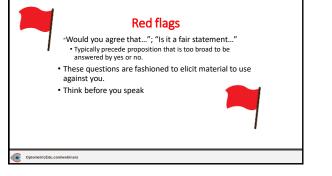
- · Attorneys representing all parties involved
- Court reporter/ videographer
- No judge or jury
- · Fact finding mission
- Don't volunteer information
- Won't convince them they were wrong to file suit cases aren't won in deposition, but they are lost
   Insist on home field advantage
- You can attend other depositions

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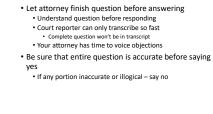
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# One at a time



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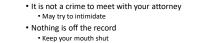
# Sometimes you cannot remember

- Facts occurred several years ago Refer to records during questioning
- What about questions with no recollection or records? • If you remember – say so
  - If you don't remember say so
  - Don't guess or speculate

# Watch what you are answering

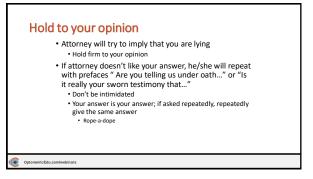
- · Hypothetical questions are posed only to be used against you
- · Sometimes a hypothetical question cannot be answered
- · Make sure that you agree with entire hypothetical before answering
- · No rule that you must have opinion on hypothetical

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- Tell the truth
  - There are very few cases that can't be defended on the
  - facts
  - There are very few cases that can be defended if the
  - defendant is caught lying.

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- Prepare Read and prepare
  - Skilled attorney can get competent physicians to agree to medical impossibilities
  - Once something is said in deposition, it is written in stone.
  - You will always have a chance to explain yourself in a court of law.
  - You can defend virtually anything

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# In Conclusion...

- Risk of malpractice is a fact of professional life
- You will get through it
- It will not end your life, practice, career
- It's not personal...it's just business.