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 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



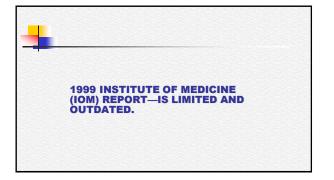
#### **EPIDEMIOLOGY**

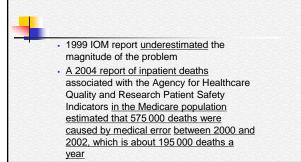
- November 1999, the IOM revealed a hidden epidemic in the United States:
- Medical errors result in injury to 1 in every 25 hospital patients and an estimated 44,000 to 98,000 deaths each year. Even the lower estimate makes medical errors more deadly than breast cancer (42,297), motor vehicle accidents (43,458) or AIDS (16,516).
- ("To Err Is Human: Building A Safer Health System." Institute of Medicine. December 1999.)

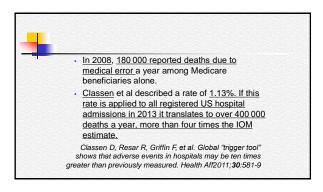


#### **EPIDEMIOLOGY**

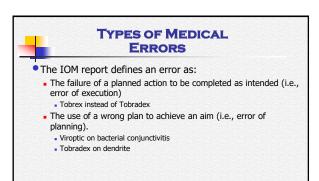
- Medical errors cost the economy from \$17 to \$29 billion each year.
- Agency for Healthcare Research and Quality (AHRQ) has shown that medical errors result most frequently from systems errorsorganization of health care and how resources are provided in the delivery system.
  - Only rarely are medical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

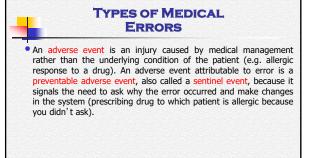














#### **WHY ERRORS HAPPEN**

 Active Errors: Active errors occur at the level of the frontline operator, and their effects are felt almost immediately.

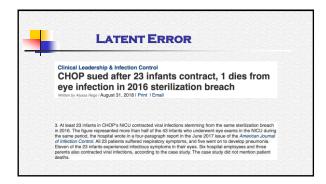


#### **WHY ERRORS HAPPEN**

 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.

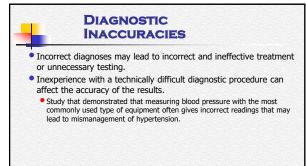


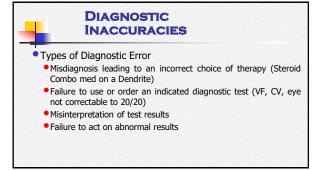


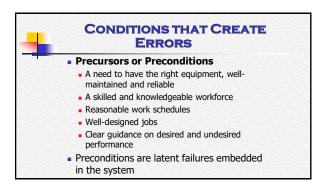












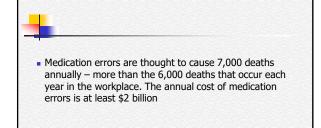




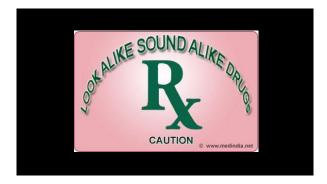


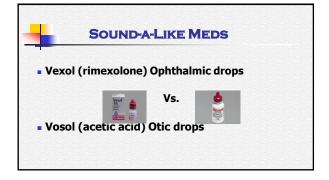
#### **MEDICATION ERRORS**

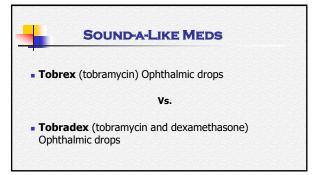
 Problems related to the use of pharmaceutical drugs account for nearly 10 percent of all hospital admissions, and significantly contribute to increased morbidity and mortality in the United States (Bates. 1995).







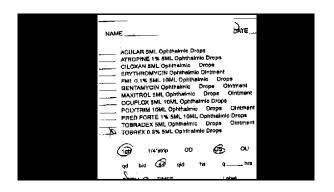






#### CASE

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) which appeared on the line above Tobrex.





## SAME DRUG — DIFFERENT DIRECTION

- Prescribed Tobradex
- Patient fails to improve
- Produces bottle of Tobrex
- Whose mistake? Doctor? Pharmacy? Company?
- Ask to see medications at follow-up



## COMPUTERIZED DRUG ORDERING

A physician selected OCCLUSAL-HP (17% salicylic acid for wart removal) instead of OCUFLOX (ophthalmic ofloxacin) from a alphabetical product list in a computerized prescriber order entry system and sent the prescription to a hospital outpatient pharmacy with directions to "use daily as directed."



#### SOUND-A-LIKE MEDS

Zymar (gatifloxacin) Ophthalmic drops

Vs.

Zymase (amylase, lipase, protease) capsules for digestion



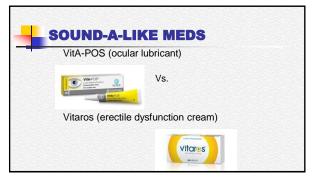
#### SOUND-A-LIKE MEDS

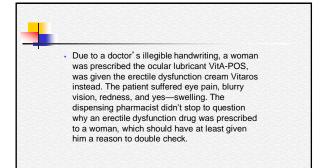
Ocuflox (ofloxacin 0.3%) Ophthalmic drops (Allergan)

Vs.

• Ocufen (flurbiprofen 0.03%) Ophthalmic drops (Allergan)

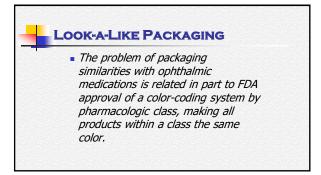


















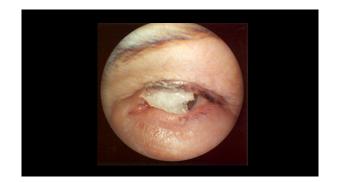




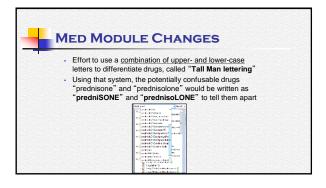
















- Identification and Evaluation of Error
- Hospital Mortality and Morbidity Meetings
- Recourse free error reporting protocol
- Automated Equipment
  - Recall system
  - Medication ordering systems/software
- Professional Continuing Education



## 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.



#### PATIENT EDUCATION

- 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!



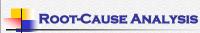


## PROFESSIONAL COMMUNICATION

- Inter and Intra professional communication
- Communicate with patient's other healthcare providers to coordinate care.



- Make Obvious Chart Notations for:
  - Medical Allergies/ adverse reactions
  - Medications
  - Narrow/Occludable Angles
  - Iris Fixed IOL's
- Write Legibly
- Avoid Abbreviations
- Document! Document! Document!



- 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?



- 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)



#### 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



## 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 translators
  - Health Literacy What did the Doctor say?
- Mentally handicapped

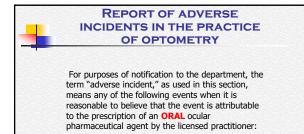
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# REPORT OF ADVERSE INCIDENTS IN THE PRACTICE OF OPTOMETRY

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



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.

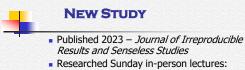


# REPORT OF ADVERSE INCIDENTS IN THE PRACTICE OF OPTOMETRY

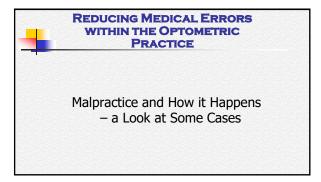
- Any condition that requires the transfer of a patient to a hospital licensed under chapter 395.
- Any condition that requires the patient to obtain care from a physician licensed under chapter 458 or chapter 459, other than a referral or a consultation required under this chapter.
- Permanent physical injury to the patient.
- Partial or complete permanent loss of sight by the patient.
- Death of the patient.



 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.



- Half of audience is asleep
- Of the half awake, 2/3rds are having some sort of fantasy...
- So...At this point:
- 90% of you are enjoying this lecture!





#### **ROLE OF THE EXPERT WITNESS**

- Handle an adversarial situation
- Be fair and objective
- Be balanced
- Educate
- Optometry vs ophthalmology



#### **THREE MAIN OFFENDERS**

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



#### 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



#### **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
- At 2 week f/u, his VA is 20/100 OD "good fit" recorded.



#### **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



#### **FAILURE TO MAKE THE DIAGNOSIS FIT THE FINDINGS**

- 58 YOWF awakened with pain, photophobia, lacrimation
- Previous exams normal
- Corneal edema and punctate epitheliopathy OD
- History:
  - Had cleaned house day and a half earlier
- Diagnosis: chemical keratitis "But I felt fine afterwards"
- Treated with Tobradex QID



#### **FAILURE TO MAKE THE DIAGNOSIS FIT THE FINDINGS**

- Worsens with advent of nausea and emesis
- Seeks second opinion
- IOP 58 mm Hg OD
- Acute angle closure
- Failure to do the appropriate tests and follow-up
- Recommendation: Settle



#### **FAILURE TO DIAGNOSE RETINAL DETACHMENT**

- 50 YOWM
- Sees flashes and floaters
- Presents to optometrist
- Dilation and BIO performed
  - "Ø breaks, Ø detachment" recorded
  - No scleral indentation performed
- Patient warned signs and symptoms RD
- Dismissed



#### **FAILURE TO DIAGNOSE RETINAL DETACHMENT**

- Patient has worsening of symptoms and vision loss one week later
- Telephones optometrist who immediately directs patient to retinologist
  - Does not record this in the chart
- Patient now has RD
- Poor surgical outcome
- Sues OD for malpractice
- Is it malpractice? Was standard of care breached?
- NO!



#### **AMENDING RECORDS:** TRANSPARENCY

ska, QO reviewed this chart note and amended it on 2/26/16 © 224 pm in full knowledge that the original char jiven to the publient on 2/25/16 so that she could obtain necessary referrals and care. Icosph Sowlac, On one that there will be come differences in the scoring of this chart not compared to that places to the publish



#### **FAILURE TO DIAGNOSE RETINAL DETACHMENT**

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



#### **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!"



#### FAILURE TO DIAGNOSE RETINAL DETACHMENT

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



## 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
  - End Result?



#### "STANDARD OF CARE?"

"In all medical probability, the retinal break/ corneal perforation/ whatever-it-may be was examin end dir

and dia standal and ard of care dia seen

and diagnosed it. And because you didn't, you were negligent".



## 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



## 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



#### 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 his/her diagnosis, analysis, judgment unless he has violated the duty (one or more of the duties) previously described.

# A GOOD EXAMPLE OF HOW IT SHOULD BE DONE Just because a patient developed RD after an exam doesn't mean that the doctor should always be sued.



## SOMETIMES YOU JUST SHAKE YOUR HEAD

- Retained for defense
- Diabetic pt sees OD who diagnosis PDR OU
- Educates and warns risk permanent blindness- must see retinal specialist w/i 7 days
- Pt sees another OD 6 weeks later
- Detailed exam completely normal
- Pt now completely visually impaired from PDR





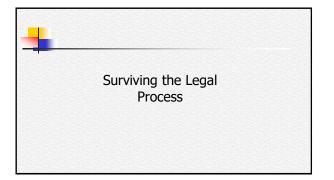
## A FESTIVAL OF IGNORANCE

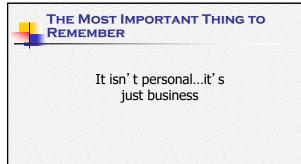
- 37 YOF- pterygium surgery. PF post-op
- Sees OD 3 weeks p/o. Some blur
- No IOP
- Sees another OD next day
- Dilates; swollen nerve, refers, no IOP
- Sees retinal specialist same day
- IOP 49.5 mm Hg
- Injects steroid
- All 3 sued for missing steroid induced glaucoma
- Does any glaucoma cause a swollen nerve?

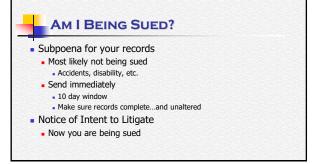
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## A FESTIVAL OF IGNORANCE

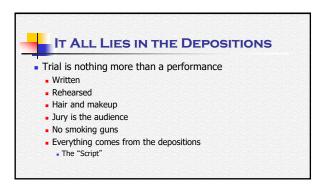
- Plaintiff's expert witness:
- "Pallor is common in glaucoma"
- "This case had extremely fast progression of the field loss"
- "Glaucoma commonly occurs with minimal cupping"
- "Extremely high intraocular pressure commonly causes a swollen nerve"
- "You never consider ischemic neuropathy in a patient under 70 vears"















#### JUST ANSWER THE QUESTION

- You have to answer unless instructed not
  - Your attorney will object throughout- still answer
- Don't try to educate plaintiff's attorney
  - Could give beneficial information not otherwise asked
- Avoid temptation to give "great" testimony
  - You'll have your chance in court
- Be prepared and be professional



## BEWARE WOLVES IN SHEEP'S

- Deposition is adversarial
- Some attorneys will intimidate, others will kill with kindness
  - He/she is the enemy
  - Wants information to use against you
  - · Always keep up your guard
- Get comfortable with attorney agree to something medically ridiculous
- If tired take a break



#### LOOK IN THE MIRROR

- Appearance and demeanor as important as testimony\*
  - Be neat
  - Avoid anger, hostility, condescension\*
- Questions phrased to make you appear dishonest\*
  - Keep concentration and composure
  - Attorney may become intimidated by your resilience

\*It's not personal...it's just business



#### KNOW WHAT YOU ARE ANSWERING

- Attorney is not medical professional
  - May ask confusing questions
  - Ask for question to be repeated or rephrased
- Don't be intimidated into answers the attorney wants
  - Very few absolutes in life
- You must answer 'yes' or 'no'
  - You can explain yourself <u>after</u> answering
    - Not before- becomes adversarial



#### **RED FLAGS**

- "Would you agree that..."; "Is it a fair statement..."
  - Typically precede proposition that is too broad to be answered by yes or no.
- These questions are fashioned to elicit material to use against you.
- Think before you speak



#### **ONE AT A TIME**

- Let attorney finish question before answering
  - Understand question before responding
  - Court reporter can only transcribe so fast
     Complete question won't be in transcript
  - Your attorney has time to voice objections
- Be sure that entire question is accurate before saying yes
  - If any portion inaccurate or illogical say no



### 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



- It is not a crime to meet with your attorney
  - May try to intimidate
- Nothing is off the record
  - Keep your mouth shut
- 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. "The cover-up is worse than the crime!"



#### HOLD TO YOUR OPINION

- Attorney will try to imply that you are lying
- Hold firm to your opinion
- If attorney doesn't like your answer, he/she will repeat with prefaces " Are you telling us under oath..." or "Is it really your sworn testimony that..."
  - Don't be intimidated
  - Your answer is your answer; if asked repeatedly, repeatedly give the same answer
    - Rope-a-dope



#### **PREPARE**

- Read! Read! Read!
- Skilled attorney can get competent physicians to agree to medical impossibilities
- Once something is said in deposition, it is written in stone.



#### 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.

