





+ Terminology

- Unanticipated outcome (adverse event) = negative or unexpected result from procedure, treatment, judgement or from failure/lack thereof; a mal-occurrence
 Sentinel event = serious adverse event attributable to error (e.g. loss of limb or function)
- Leads to the need to ask why the error occurred \rightarrow need for change
- →Unanticipated outcomes/adverse events may or may not be the result of error or negligence
- ightarrow
 ightarrow Not all errors are malpractice / negligent

Malpractice

- Behavior that involves unreasonable risk to others; medical negligence; unreasonable lack of skill or fidelity in fiduciary relationship; illegal, immoral conduct
- Medical Malpractice requires all of the following:
- 1. Duty owed by doctor-patient relationship
- 2. Breach care rendered was below the standard
- 3. Causation Link between clinician's act/omission and the patient's loss
- 4. Injury Patient must have suffered a loss (e.g. vision)
- 5. Damages Monetary loss such as lost wages, bills





+ Documentation Errors

- "possible optic disc edema" no proper follow up or referral
- "flashes" no proper follow up or RTC
- Incomplete documentation of care provided

Top 10 Reasons for Malpractice Suit for ODs Classe J, Review of Optometry 2004

- 1. Failure to dilate
- 2. Failure to determine cause of reduced acuity
- 3. Failure to refer/recall
- 4. Failure to Rx Polycarb
- 5. No periodic eye health exam for CL wearers
- 6. Failure to educate patient about suspicious findings
- 7. Failure to get informed consent
- 8. No VF for kids
- 9. Poor co-management protocol adherence
- 10. Poor documentation

https://www.reviewofoptometry.com/article/how-to-besued-for-malpractice



Types of Medical Errors	Table 1. Definitions of Different Types of Medical Incidents	+	Communication breakdown
Diagnostic; Surgical; Prescription	Definition		
Either:	Near Miss Unsafe conditions. The event did not reach the individual because of chance alone. The event did not reach the individual because of active recovery by caregivers.		Error in diagnosis
 Active errors Immediate impact Due to actions of an individual 	Nonharmful Event The event reached the individual but din ot cause harm, or an error of omission, such as a missed medication dose, reached the patient. The event reached the individual, and additional monitoring was required to prevent harm.	Medical Errors Usually Due To:	Poor judgment
 Latent errors Errors in the system, operation, design, equipment 	Harmful Event The individual experienced temporary harm and required treatment or intervention. The individual experienced temporary harm and required initial or prolonged hespitalization.		Inadequate skill
	The individual experienced permanent harm. The individual experienced harm and required intervention necessary to sustain life. Death The individual died.		Rarely due to inadequacies of one individual
	Chamberlain C et al. Arch Surg, 2012.		













Anchoring

- Stuck on first diagnosis that comes into your mind based on first sentence patient says/ first impressions
- Example: Middle schooler with trouble reading, eyestrain, headaches, double vision, presumed CI w/o a careful look at refractive error

• +2.00 - 1.25 x 037 +3.00 - 2.00 x 116



Availability

- Grabbing onto whatever is available in your mind
- Example: 24 year old grad student complains of blurry vision going from near to distance. The last 3 patients had latent hyperopia. You assume latent hyperopia and cycloplege before measuring amps/facility.

• Amps – normal Facility – 2cpm OU (struggles with +)



Attribution

- Allowing culture/stereotypes to cloud your judgement
- Example: Your patient, currently living in a homeless shelter, struggles to describe "colorful flickers" that have been happening for 2 weeks. You assume a background with little education and minify the symptom based on poor communication.
- The patient was highly educated but suffered from drug addiction, and was suffering from retinal migraine.

Fundamental Attribution Error

Fundamental attribution error or correspondence bias makes us overemphasize personal characteristics & ignore situational factors when judging behavior of others.



Confirmation bias

- We rationalize what we know
- Example: 32 year old complains of blurry vision and wants new glasses. He is adamant that his glasses, now -3.25 are not strong enough.
 - CC 20/20-1
 - Refraction -4.00 20/20+1



Diagnosis momentum

- Once the diagnosis is put into play and received by someone with credentials, taken at face value...not questioned)
- "cut and paste" with EHR year after year
- Example: Dr. Swanson called it glaucoma 10 years ago, must be glaucoma today



Satisfaction search

- Satisfaction search (we're tired; it's hard being a doctor; Occam's razer – if you find one answer that can explain, you go with it)
- Example: 27 year old complaining of "distorted vision" in his glasses. You measure uncorrected cylinder and finalize Rx.
 - Corneal topography shows early keratoconus



Patients and Doctors: Medical Mindsets

6 Medical Mindsets

Dr. Pamela Hartzband and Dr. Jerome Groopman

- Maximalist vs. Minimalist
- Naturalist vs. Technologist
- Believer vs. Doubter

• Patients vs. Doctors



Surgical Errors (Procedural Errors)

- "NEVER events" (WSPE's)
- Wrong siteWrong procedure
- Wrong patient
- ····· 5 F ·····
- Unanticipated outcomes from procedures







Agency Oversight



Agency for Healthcare Research and Quality (AHRQ)

- Patient Safety and Quality Improvement Act, became law 2005
 Established a voluntary confidential reporting system to create a national database of medical errors for analysis and development of evidence-based safety measures
- Joint Commission
- Full disclosure of unanticipated outcomes required since 2001
- National Quality Forum
- Recommended disclosure of serious unanticipated outcomes since 2006

State level requirements

- Disclosure of sentinel events is required
- State laws outline "reportable" events
 Some larger institutions/hospitals: Risk Management and/or Patient Safety Committee

Provider Education

Some states (e.g. FL) – 2 hours Medical Errors initially and then q2years









Step 1: Full Disclosure – if event was preventable and what you believe to be due to error....

- Carefully consider before using the word "error" or "mistake"
- Consider instead... Telling the patient what should have happened:

"This is outside of what we expected", or

"This outcome was not anticipated"...

+ Ex - Wrong drop instilled in-office ?

Mom brings 7 year old back in 48 hours after exam because vision is blurry and pupils are still dilated.

Step 1: Disclosure

Mrs. ____ we suspect that instead of the typical dilating drop, one that is stronger was used. This is most likely why your son's vision is still blurry.









Other Tips...

- Contain emotions
- Show open, receptive attitude/posture Arms uncrossed, eye contact, listening skills
- Focus on the patient/family and validate feelings "I understand that you are angry / frustrated"
- Avoid defensiveness, accusatory reaction if your care is questioned
- Avoid blaming other providers, the patient, equipment or "the system" Explain your role in the event to the patient and/or family
- Be careful not to share *confidential* information

Should we practice "defensive medicine" to protect ourselves?



Medical errors, malpractice, and defensive medicine: an illfated triad

American Medical Association Journal of Ethics

What is confidential, and therefore non-discoverable?

- Anything labeled "quality assurance" or "peer to peer"
- Incident reports/discussion
- Process improvements

+ "Can I see a copy of the incident report?"

- Rarely helpful to share all event analysis
- Preferred: only share the most important root causes and the prevention plan
- Balance transparency with a need to maintain some information as confidential.

+ "Who is to blame for this?" "Who is getting fired?"

• i.e. "How could this have happened?" "Are you taking this seriously?"

- Avoid blaming anyone.
- Explain your own role.
- Highlight the analysis process that will investigate.
- Do not offer opinion of care provided by others
- Acknowledge the issue and redirect the conversation toward a shared goal of ensuring that
 a similar event does not happen again.
- Most adverse events have multiple causes
- human and system elements

What about an error made by another clinician?

- Co-management
- Anti-kick back Stark Law
- Careful documentation / transition of care documents
- Intern/resident attending
- Unrelated physician
- 35% of malpractice suits are due to something said about another provider



÷ Documentation of an Unanticipated Outcome Should you document.....? Your best defense... Disclosure discussion In the medical record, include objective facts about unanticipated outcome – Apology? What you see, not why you think it happened and names of person(s) in the room at the time Care given in response Treatment and f/u plans Do NOT include It depends – Assumptions, speculations, beliefs of condition or previous care unnecessary items in the patient's medical records Incident report may admit liability Comments about analysis procedures and/or create admissibility for those items in court Best to stick to facts and objective findings , plan for patient's care

Documentation of an Unanticipated Outcome

- ICD-10 codes:
- "unknown"
- T codes "poisoning/underdosing/overdosing by adverse ..."
- Y95 Nosocomial condition
- Iatrogenic

+ Incident Reporting

- To be completed by person most familiar with incident
- Most important section: DESCRIPTION
- For Internal Use Only
- Do NOT discuss incidents outside of "formal" analysis meetings or with those that are not "need to know"
- Do NOT add to medical record

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t Root-Cause Analysis (RCA)

- Most common method of comprehensive systematic analysis
- Objectives
- Identify root cause(s) and contributing factors of incident(s)
- Identify system vulnerabilities that could lead to patient harm Implement strategies that reduce the risk of recurrences
- Determine ways of effectively measuring and improving performance
- Typically performed after an incident or "close call," however can be used proactively as well

RCA: Basically --

- What happened?
- Why did it happen?
- What can we do to prevent it from happening again?



+ 5 rules of causation

- Clearly show cause and effect relationship 1.
- 2. Use specific and accurate descriptors for what occurred
- Human errors must have preceding cause 3.
- 4. Violations of procedure are not root causes; but must have preceding causes
- Failure to act is only causal when there is a pre-existing duty to act 5.

Ex – what happened?

- Procedure / skill
- Disinfection
- Equipment
- Medication
- Patient





Solutions to Overconfidence as a Cause ?

- Advocating an environment of sharing, learning, growing
- Self-awareness slow down and avoid jumping to conclusion
- Self-reflection

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Continued education, updating

+ Preventing Errors with Medication

- Review and confirm meds and allergies
- Use EHR system for drug-drug and drug-allergy safety
- Double check Rx
- Comprehensive assessment / low-dose for elderly
- PCP/Pharmacist involvement
- Patient education about concerns, adverse effects
- Non-defensive reactions to patient concerns

Modified from Agrawal A, et al. Br J Clin Pharmacology, 2009.

Berner E, Graber M. Am J Medicine, 2008.

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Documentation – your best friend, or your worst enemy

Top 4 Documentation Mistakes

- Butler M. J of Am Health Information Management Assoc, 2015.
- 1. Mixed messages
- 2. Copy/paste/forwarding of EHR
- 3. Incomplete / missing documentation
- 4. Misplaced documentation

Procedural Informed Consent

Components:

- Verbal provider must not delegate
 Document discussion in record
- 3. Written verification not while dilated
- Must take place when patient is of sound mental capacity
- Must include:
- Condition
- Recommended treatment and consequences of not proceeding
- Risks/complicationsBenefits
- Alternatives







+ What should you say ?

"Mr. ____we were able to successfully remove the foreign body from your cornea and it should heal nicely. There is something the we need to discuss about your procedure, however. Unfortunately, the sharp instrument used to remove the foreign body also touched an adjacent area of your cornea and left a small abrasion. This sorry this happened -- we did not anticipate that this would occur. The drops we planned to prescribe for your original injury will take care of this as well, and we expect a full recovery."

Avoid:

- "Oops""It's my fault"
- "I'm sorry I gave you an abrasion"
- "It was the intern's first time removing a foreign body, so it could have been worse!"
- "If you could have held your eye still this would never had happened"

+ How should you document?

Objective findings:

- cornea abrasion 0.5mm x 0.25mm just nasal to pupil; (-) Seidel's sign
- Assessment: Corneal abrasion
- Plan: Disclosed to patient that small abrasion occurred as an unanticipated event during foreign body removal; expressed sympathy for the occurrence; explained to patient that condition will be expected to heal nicely from medications already Rxed for FB
 (maybe)

(.....y.)e

+ How should you document	?	+ And of course	
 Objective findings: cornea abrasion 0.5mm x 0.25mm just nasal to pupil; (-) Seidel's sign Assessment: Corneal abrasion Plan: Disclosed to patient that small abrasion occurred as an unanticipated event during foreign body removal; expressed sympathy for the occurrence; explained to patient that condition will be expected to heal nicely from medications already Rxed for FB 	Sta Star y and a set wat it is a first a set of	 You performed an informed consent Patient signed written consent 	IAB Spe Care ITHE University Dispection of IPIB C000A Phone: (205)/75.2020 Fac: (205)/75.



Documentation

- Documentatio
- Hopefully:
- Plan: "pt ed seriousness of condition and potential for permanent vision loss"
- Recall:

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- "reasonable attempt" to schedule patientattempts documented
- attempts documente
- Avoid: "pt never came back..."







How should you document?

- Objective findings: 2+ diffuse SPK OD
- Assessment: Punctate keratitis, OD
- Plan: Pt ed condition and etiology; Disclosed adverse event to patient

• Mrs. ____ the reason your eye hurts is because the solution used to rinse your contact is one that is not intended to be put directly into the eyes. We are sorry that this happened to you. The solution does burn and causes temporary irritation to the eye, which may require some treatment and follow up. What we'll do is.....

And we will also be looking carefully into exactly what led to this so that it can be prevented.



- Objective findings: 2+ diffuse SPK OD
- Assessment: Punctate keratitis, OD
- Plan: Disclosed suspected adverse effect to patient

Poisoning by, adverse effects of and underdosing of drugs, medicaments and biological substances (T36-T50)
Includes: adverse effect of correct substance properly administered
poisoning by overdose of substance
poisoning by wrong substance given or taken in error
underdosing by (inadvertently) (deliberately) taking less substance than prescribed or instructed
Code first, for adverse effects, the nature of the adverse effect, such as:
adverse effect NOS (T88.7)
aspirin gastritis (K29,-)
blood disorders (D56-D76)
contact dermatitis (L23-L25)
dermatitis due to substances taken internally (L27-)
nephropathy (N14.0-N14.2)
Note: The drug giving rise to the adverse effect should be identified by use of codes from categories T36-T50 with fifth or
sixth character 5.
Use additional code(s) to specify:
manifestations of poisoning
underdosing or failure in dosage during medical and surgical care (Y63.6, Y63.8-Y63.9)
underdosing of medication regimen (291.12-, 291.13-)

Includes: poisoning by, adverse effect of and underdosing of glucocorticoids, topically used

e appropriate //h character is to be added to each code from category A - initial encounter O - subsequent encounter S - sequela

T49.2X5 Adverse effect of local astringents and local detergents





l year later when you dilate....

Best case scenario

- You documented the importance of dilation, and that photograph does not ever replace DFE
- You documented that the photograph had a limited view due to eyelashes, and that you educated the patient that she should come back soon for the dilation

Avoid:

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- "We missed it last year because we did not dilate"
- "If you had let me dilate you last year we would have caught it earlier"





Don't assume ..

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- That it looked just like this yesterday
- The the steroid did actually make it worse

+ What should you say ?

 Mr. ____ based on your history and symptoms, this is not what we expected to see this morning. We need to discontinue the steroid drop, and prescribe a different medication.

Could say:

- "Do not use the steroid anymore it can make things worse"
- "It's possible the steroid made things worse over the weekend, so we need to stop that immediately"

Avoid:

- "I should never have called in the prescription without seeing you"
 "The steroid I prescribed made your condition worse"

+ How should you document?



Objective findings:

- dendritic lesion on cornea, terminal bulbs (+)RB stain, (-)stromal involvement
- Assessment: Herpetic keratitis
- Plan: ed pt d/c use of steroid and begin therapy with Zyrgan , etc

+ VH angles 1:1/4, gonioscopy revealed PTM 2+ quadrants before dilating patient....





.....but patient returns with red, painful eye and pressure of 45.

What should you say ?

- Mr. ____ we suspect that the dilating drops used earlier today may have contributed to a blockage in the drainage system in your eye, leading a dangerous elevation to the pressure in your eye. Based on our clinical findings, this is outside of what we would have expected to occur. We are sorry that this has happened. We need to get the pressure down as quickly as possible in order to relieve your eye pain and reduce the risk of vision loss.
- Avoid:
- "The drops we used caused glaucoma."
- "That doctor should never have dilated your eyes."

How should you document?

Objective findings: VA 20/50

Pupil: mid-dilated and sluggish to react to light cornea:steamy, folds in Descemet's, 2+ stromal edema IOP 45 Goniosopy: describe findings....

- Assessment: Acute Angle Closure OD , pressure under control before leaving office
- Plan: ed pt condition, predisposing factors/etiologies, and importance of keeping; ed pt and pt understood risk of permanent vision loss without compliance with medications and follow up appointments; discussed options for referral and patient had no preference; referred to Dr. _____ for immediate LPI, office staff expecting patient now

What if.... Angles were not documented? Your technician forgot to check them.

- Don't assume:
- Angles were as narrow as you suspect they might have been
- No other factors involved

Round abrasion noticed after Goldmann Tonometry

- Adverse event
- Unanticipated outcome of procedure
- Implied informed consent
- Description of the procedure
- Documentation of procedures, and postprocedure notes



+ How should you document?



- Objective findings:
 4mmx4mm circular corneal abrasion with +NaFl staining
- Assessment: Corneal abrasion
- Plan: Ed pt condition and contributing factors. Disclosed to patient that condition consistent with unanticipated outcome during tonometry procedure and that we suspect that

Other considerations: Advances in Technology / Treatment

- 1. Diagnosis
- 2. Patient education
- 3. Referral

+ Other considerations: Refusal to Treat

- 1. Determine patient capacity to understand
- Educate patient / caregiver
 Informed Refusal to Treat Form