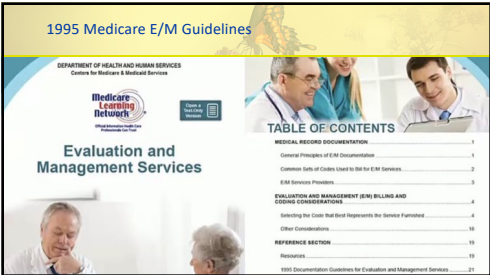




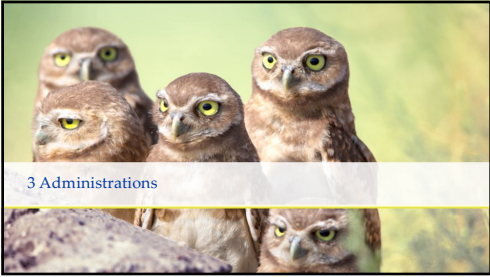
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Patients Over Paperwork

FOR IMMEDIATE RELEASE
May 23, 2022

Contact: HHS Press Office
202-696-6340
hhs@hhs.gov

New Surgeon General Advisory Sounds Alarm on Health Worker Burnout and Resignation

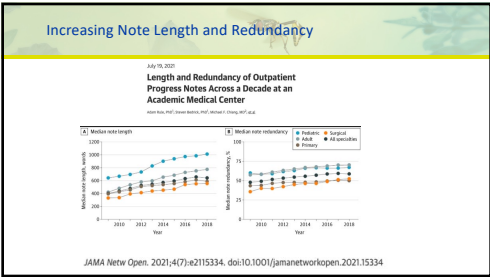
During Mental Health Awareness Month, Surgeon General's Advisory Highlights the Impacts of the COVID-19 Pandemic on Health Workers, Who Already Faced Crisis Levels of Burnout Prior to the Pandemic.

There is a Projected Shortage of More than 2 Million Essential Low-Wage Health Workers in the Next Five Years and a Projected Shortage of Nearly 140,000 Physicians by 2032.

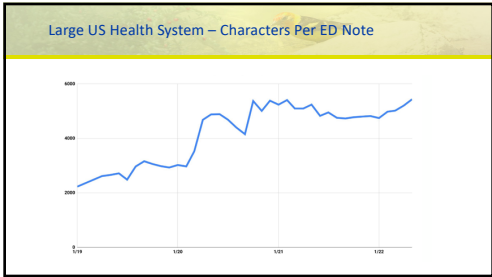
Today, Surgeon General Vivek Murthy issued a new Surgeon General's Advisory highlighting the urgent need to address the health worker burnout crisis across the country. Health workers have been severely impacted by the COVID-19 pandemic and the resulting health care system changes.

“ Partner with health care delivery organizations, professional associations, and other stakeholders to reduce documentation burden by 25% by 2025. This includes clarification of regulations and documentation requirements, optimization of the prior authorization process, and review of additional challenges with stakeholders, such as coding validations and electronic health record (EHR) technology. ”

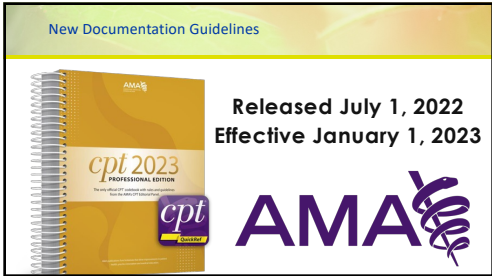
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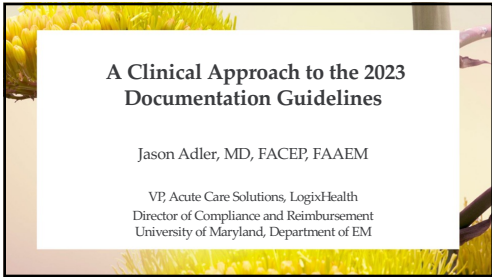
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CPT Evaluation and Management (E/M) Code and Guideline Changes
 This document includes the following CPT E/M changes:
Effective January 1, 2023

- CPT Inventory Guidelines related to Hospital Inpatient and Observation Care Service codes 99231-99235, 99237-99239, Consultation codes 99241-99243, 99245-99247, Emergency Department Services codes 99281-99285, Nursing Facility Services codes 99291-99293, 99295, 99296, Home or Residential Services codes 99301-99303, 99305-99307, 99309
- Addition of Hospital Observation Services E/M codes 99232-99238
- Addition of Hospital Inpatient and Observation Care Services E/M codes 99231-99235, 99237-99239 and guidelines
- Addition of Consultation E/M codes 99241 and 99243
- Addition of Consultation E/M codes 99242-99244, 99246-99248 and guidelines
- Addition of Emergency Department Services E/M codes 99281-99285 and guidelines

Code	Description	Effective Date	Guideline
99231	Office or other outpatient visit for evaluation and management of the patient; significant, problem focused history and physical examination; straightforward or limited mental status examination; medical decision making of low complexity; and straightforward or limited counseling and risk factor reduction.	01/01/23	99231
99232	Hospital observation services for evaluation and management of the patient; significant, problem focused history and physical examination; straightforward or limited mental status examination; medical decision making of low complexity; and straightforward or limited counseling and risk factor reduction.	01/01/23	99232
99233	Office or other outpatient visit for evaluation and management of the patient; significant, problem focused history and physical examination; straightforward or limited mental status examination; medical decision making of low to moderate complexity; and straightforward or limited counseling and risk factor reduction.	01/01/23	99233
99234	Office or other outpatient visit for evaluation and management of the patient; significant, problem focused history and physical examination; straightforward or limited mental status examination; medical decision making of moderate complexity; and straightforward or limited counseling and risk factor reduction.	01/01/23	99234
99235	Office or other outpatient visit for evaluation and management of the patient; significant, problem focused history and physical examination; straightforward or limited mental status examination; medical decision making of high complexity; and straightforward or limited counseling and risk factor reduction.	01/01/23	99235
99237	Office or other outpatient visit for evaluation and management of the patient; significant, problem focused history and physical examination; straightforward or limited mental status examination; medical decision making of low complexity; and straightforward or limited counseling and risk factor reduction.	01/01/23	99237
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99281	Emergency department visit for evaluation and management of the patient; significant, problem focused history and physical examination; straightforward or limited mental status examination; medical decision making of low complexity; and straightforward or limited counseling and risk factor reduction.	01/01/23	99281
99282	Emergency department visit for evaluation and management of the patient; significant, problem focused history and physical examination; straightforward or limited mental status examination; medical decision making of low to moderate complexity; and straightforward or limited counseling and risk factor reduction.	01/01/23	99282
99283	Emergency department visit for evaluation and management of the patient; significant, problem focused history and physical examination; straightforward or limited mental status examination; medical decision making of moderate complexity; and straightforward or limited counseling and risk factor reduction.	01/01/23	99283
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99285	Emergency department visit for evaluation and management of the patient; significant, problem focused history and physical examination; straightforward or limited mental status examination; medical decision making of high complexity; and straightforward or limited counseling and risk factor reduction.	01/01/23	99285
99291	Nursing facility visit for evaluation and management of the patient; significant, problem focused history and physical examination; straightforward or limited mental status examination; medical decision making of low complexity; and straightforward or limited counseling and risk factor reduction.	01/01/23	99291
99292	Nursing facility visit for evaluation and management of the patient; significant, problem focused history and physical examination; straightforward or limited mental status examination; medical decision making of low to moderate complexity; and straightforward or limited counseling and risk factor reduction.	01/01/23	99292
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99295	Home or residential care visit for evaluation and management of the patient; significant, problem focused history and physical examination; straightforward or limited mental status examination; medical decision making of low complexity; and straightforward or limited counseling and risk factor reduction.	01/01/23	99295
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Objectives

- Describe major changes in the history and exam section
- Outline a **clinical** approach to the medical decision-making section
- Demonstrate the value of shared decision making and social determinants of health

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Why Are The New Documentation Guidelines Important

- 83% of typical ED doc's RVUs from 99281-99285
- 8% from critical care
- 9% from procedures



99281-85 (83%) Procedures (9%) Critical Care (8%)

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History and Exam

"The nature and extent of the history and/or physical examination is determined by the treating physician reporting the service"

"The extent of history and physical examination is NOT an element in selection of codes"


"The main purpose of documentation is to support care of the patient by current and future health care team(s)"

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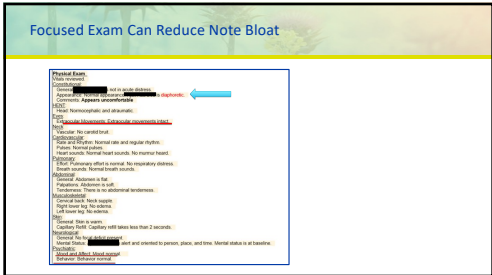
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Clinically Relevant History

- CC: Syncope
- 22 yo male presents after a syncopal event this morning. He recently began exercising. Today's **episode occurred while running** on the treadmill. No preceding symptoms. Woke up on the floor, has mild headache no neck pain. States his **father died suddenly** at the age of 42.



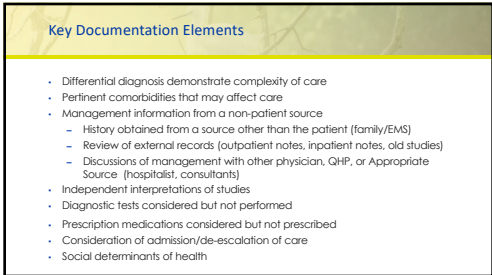
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Differential Diagnosis

CC/ HPI
Triage note: "MVC", c/o neck pain and wrist pain"

is a 41 y.o. male who presents after a MVC. Restrained driver, driving approximately 10 MPH, hit a parked car at a red light. No airbag deployment. Reports neck pain, no weakness or numbness in either arm. No headache. Also notes R wrist pain - no elbow or shoulder pain on the right side.


- A targeted differential diagnosis based on your workup will demonstrate risk and complexity of care.
 - "...head CT to evaluate for ICH" vs "CT negative"
 - ALTERED MENTAL STATUS??

ED Course
Concern for potential C-spine injury and wrist fx. Xray's ordered. Pt medicated with tylenol

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Comorbidities Demonstrate Complexity

- Cellulitis
 - +/- fever
 - +/- diabetes
 - +/- PVD



20

Stories	Studies
Shared DM	SDOH

21

Management Information From a Non-Patient Source	
<p>Prior to Arrival EMS/Police Referring Clinician Urgent Care</p>	<p>Family Members Parents Caregivers</p>
<p>Review of External Records Inpatient & Office Visit Notes Old Studies & Procedures</p>	<p>Management Discussions with Physicians, GHP, or Appropriate Source Consultants Social work, case management, pharmacy, SBIRT</p>

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Stories –Independent Historian and External Record Review

History of Present Illness
 (Image note: "intoxication per EMS")
 30 year old presents via EMS for evaluation of altered mental status. History is limited due to the acuity of condition.

Independent Historian: EMS arrived at the scene of a young male laying on the sidewalk. Collar placed. Glucose en route 150. Responds to painful stimulus and makes incomprehensible sounds/speech.

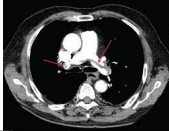
Progress Notes, Medical Decision Making and Critical Care (provider: *abdozor*)
 76 year old presented with altered mental status, fever, and tachycardia. Sepsis order set was initiated, concern for UTI or pneumonia.

CD Cases: External records reviewed. (I admitted here: 2/2022 for ACS workup. Echo at that time showed an EF of 55%. Will order a 30 minig bolus. CBC, renal, D/C, and lactate 2.4. Pt reassessed, BP 105 systolic, HR 110. (1,7)

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Stories – Discussions with Physician or Appropriate Source

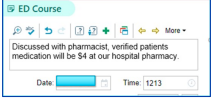
Received call from radiologist, Dr. Darkroom, saddle PE at the bifurcation of the pulmonary artery. JA 1422 3/5/2023



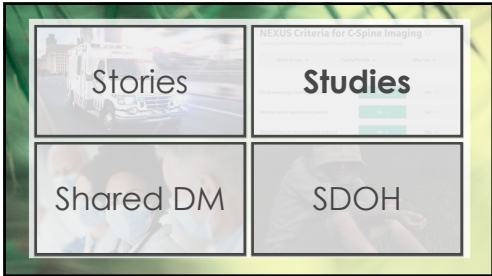
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Stories – Discussions with QHP or Appropriate Source

- Mental health liaison
- Pharmacy
- Case management
- Social work




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Studies – Independent Interpretations

- Heightened emphasis of independent interpretations of separately billable procedures (EKG, X-ray, CT, U/S)
- "Per my interpretation" or "my interpretation is"
- Not held to the standard of a billable interpretation to be included in the MDM



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Document the Talk

"Ordering a test may include those **considered, but not selected after shared decision making**. A patient may request diagnostic imaging that is **not necessary for their condition**. Discussion of the lack of benefit may be required."

"This includes the possible management options selected and those considered but not selected after shared decision making with the patient and/or family. For example, a decision **about hospitalization** includes consideration of **alternative levels of care**."

2023 CPT E/M Descriptors and Guidelines

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Document the Talk

"Shared decision making involves eliciting patient and/or family preferences, patient and/or family education, and explaining risks and benefits of management options"

2023 CPT E/M Descriptors and Guidelines

32

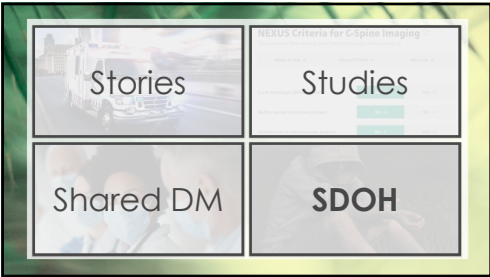
De-escalation of Care

ED Course

0830 76 yo F, hx afib on AC, found in bed this morning by husband after not waking up. Was immediately intubated to protect airway, GCS 3T, CT with large ICH, 12 mm shift, uncal herniation. Neurosurgery reviewed CT, described no intervention available and overall poor prognosis. ICU also involved. Both neurosurgery, ICU, and myself met with pts husband, who decided to de-escalate care to palliative measures and not pursue transfer to tertiary medical center. Plan to admit to floor here. [E1]

ED Course User Index

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Take-Home Points

- The history and exam will no longer be used to score the chart
- Medical decision making will now drive code selection
- Heightened emphasis on shared decision making and social determinants of health
- Document discussions with patients, considerations of testing, treating, or escalation of care

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Questions & Contact

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202.438.6983

www.logixhealth.com

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Take-Home Points

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WHEN ORTHOPEDICS ISN'T THERE TO GIVE YOU A HAND

BILLY CAPUTO, MD RDMS FACEP
RESIDENCY DIRECTOR, ASSOCIATE CHAIR
STATEN ISLAND UNIVERSITY HOSPITAL

Lecturer Contact: wcaputo@northwell.edu
Please reach out to me with any questions or comments

QR code to lecture
Ultrasound images
and videos used in
the lecture. PDF to
Advanced upper
extremity, trunk, and
neck regional nerve
blocks

1

Caputo's 5 tips and tricks for hand injuries

USE HAND ULTRASOUND

Ultrasound is superior to x-rays for hand injuries in many cases. You can diagnose fractures, tendon function, and foreign bodies that can be missed on x-rays. A waterbath can be used and you can get high definition images without even touching an injury.

BONE

TENDON

FOREIGN BODY

2

USE THE BEST ANALGESIA

2

Almost always, the best analgesia for hand injuries involves local anesthetics. This can be done with a regional nerve block, hematoma block, or digital block depending on the injury. It's important to know the distribution of the median, radial, and ulnar nerves.

Palmar view Dorsal view

3

Rhabdomyolysis Updates
Peter Alamia, DO
ACOE Spring Seminar 2023

1

Introduction:
Characterized by destruction of skeletal muscle
Release of intracellular contents into the bloodstream
Leads to muscle necrosis
Clinical impact ranges from asymptomatic elevation of muscle enzymes to acute kidney injury and electrolyte abnormalities

2

Introduction:

- Results in cell death and release of potentially toxic substances into the bloodstream
- Management often is directed in preventing the primary complication from rhabdomyolysis: Acute kidney injury

3

Patient population that rhabdomyolysis occurs?
Traumatic causes are a common mechanism (20%)

- Multisystem trauma
- Crush injuries
- Compartment syndrome - leads to muscle ischemia
- Vascular injuries
- Falls with prolonged immobilization

Approximately 8.5% of critically injured patients in TICU

- 10% develop renal failure
- 5% require RRT

4

Patient population that rhabdomyolysis occurs?
Metabolic & Medical causes are more common (80%)

- Suspect in patient with increased metabolic demands on myocytes in excess of available supply of ATP
- Prolonged exercise
- Status epilepticus
- Exogenous agents (Alcohol, drugs, or toxins)
- Lipid lowering agents (Statins)
- Genetic defects
- Myopathies
- Infection
- Malignant hyperthermia
- Neuroleptic malignant syndrome
- Heat stroke

5

What clinical findings are expected with rhabdomyolysis?

- Asymptomatic to critically ill
- Clinical presentation can vary greatly

Resultant organ injury may include:

- Renal (AKI)
- Cardiac (Arrhythmia)
- Coagulopathy
- Dark tea colored urine is a common finding

6

What laboratory findings aid in the diagnosis of rhabdomyolysis?

- Elevated serum CK concentration
- CK >5 times upper limit of normal or
- CK >1,000 IU/L

Elevated myoglobin

Elevated LDH

Elevated potassium

Elevated Creatinine

Injury to skeletal muscle cellular membrane leads to influx of calcium

- Disruption of cellular homeostasis occurs
- Leads to cell death
- Resulting in accumulation of CK, myoglobin, LDH, and potassium in the bloodstream

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Creatinine Kinase

- Usually elevated by 12 hours of injury
- Peak at 24 to 72 hours after injury
- Returns to normal in approximately 5 days

8

What is the optimal crystalloid type, rate of administration, and urine output goals to prevent AKI in rhabdomyolysis?

Fluid of choice:

- No clear recommendation
- No randomized controlled trials
- Lactated ringers
- Saline (0.9% or 0.45%)
- Saline is promoted due to its lack of potassium
- Crush injuries = Hyperkalemia
- Recommendation is 200 mL/hour to 1,000 mL/hour
- 400 mL/hour can be initiated
- Goal directed therapy of urine output of 1 mL/kg/hour to 3 mL/kg/hour and up to 300 mL/kg/hour
- If the patient remains anuric, then RRT may be necessary

9

Are diuretics and/or bicarbonate administration beneficial?

Exact mechanism of AKI is controversial

- Two factors in development of myoglobin induced renal toxicity are:
 - Hypovolemia
 - Aciduria

Ultimately, AKI results from:

- Vasoconstriction
- Oxidant injury (Ferrihemate - breakdown product of myoglobin, in the presence of low pH can generate free radicals, which lead to direct renal cell injury)
- Tubular obstruction (Pigmented casts - result of an interaction between Tamm-Horsfall protein and myoglobin)
- Decreased tubular filtration

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Can alkalization of urine may prevent AKI?

- Sodium bicarbonate
- Mannitol - an osmotic diuretic, may lead to renal vasodilation
- No strong clinical evidence to support on the use of either

11

Are diuretics useful?

Loop diuretics: clinical evidence is sparse. Mostly only case reports. Loop diuretics:

- Have shown to reduce metabolic demand and oxygen consumption by proximal tubular cells
- But, also shown to worsen renal afferent arteriole vasoconstriction, acidify urine, and promote aggregation of Tamm-Horsfall protein within the tubular lumen

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What electrolyte abnormalities should be expected and what are the optimal methods for management?

Hyperkalemia:

- Often associated with high potassium levels
- Correlates with the volume of muscle breakdown
- When it occurs with rhabdomyolysis-induced AKI, it occurs early in the course of the disease
- Hypocalcemia aggravates electrical effects of hyperkalemia: Should be aggressively treated with calcium chloride or calcium gluconate
- Treat hyperkalemia with Insulin, glucose, B-2 agonist, potassium removal cations, and RRT as a last resort

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Hyperphosphatemia:

- Occurs as a result of phosphate release from damaged cells
- High phosphate levels are problematic: binds to calcium and these complexes deposit in soft tissues
- Treat with caution. Require a calcium chelator, which can increase precipitation of calcium phosphate in injured muscles
- Early hyperphosphatemia typically decreases as phosphate is excreted in urine

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Hypocalcemia:

- Occurs early in rhabdomyolysis due to calcium entry into damaged cells and calcium phosphate deposition in necrotic muscle
- Early treatment should be avoided unless patient is symptomatic or severe hyperkalemia is present
- Avoid correction with calcium chloride or calcium gluconate - calcium deposition can occur in injured muscle

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Hypermagnesemia:

- May occur, but is infrequent
- Typically occurs in association with AKI
- Should be treated with RRT

16

What is the role of RRT in rhabdomyolysis:

- No role in dialysis or CRRT in preventing AKI
- Also, there is no significant evidence to determine that CRRT has any benefit over conventional RRT in preventing AKI in rhabdomyolysis
- In patients who either develop AKI, and need dialysis: Either CRRT or intermittent RRT can be considered
- AKI is associated with myoglobulinemia, thus extracorporeal removal is an effective strategy
- Plasmapheresis does NOT have an effect on myoglobin clearance
- CRRT and conventional RRT have been shown to be equally effective

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What is the role of RRT in Rhabdomyolysis?

- Since myoglobin has a molecular weight of 17 KDa, it is poorly cleared by diffusion (dialysis). Studies have been performed to evaluate benefits of:
 - Continued RRT
 - Intermittent RRT
 - Hemodiafiltration
 - Hemofiltration
- Special high cut off membrane filters (Enhance clearance of large molecules)
 - Overall studies are small and lack sufficient evidence to make recommendations

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What complications should be suspected?

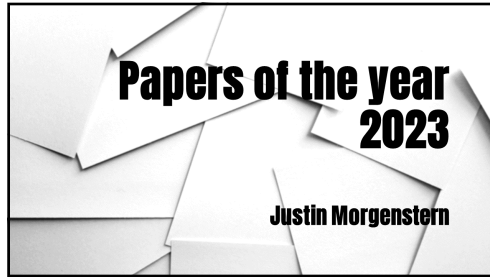
- Hyperkalemia: most significant electrolyte abnormality
- Hepatic dysfunction may occur in 25% of patients
- Dysrhythmia or cardiac arrest: Most likely secondary to hyperkalemia
- Mortality in patients with CK >5,000 IU/L is approximately 14%
- AKI develops in approximately 15% of patients
- Among patients requiring RRT, mortality is as high as 59%
- DIC may occur, due to release of intracellular products that may activate the clotting cascade

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What complications should be suspected?

- Compartment syndrome: May be an early or late complication
 - Results from direct muscle injury
 - Vigorous muscle activity
- Occurs primarily due to limited muscle expansion from enveloping tight fascia
- Delay of more than 6 hours may lead to irreversible muscle damage or death

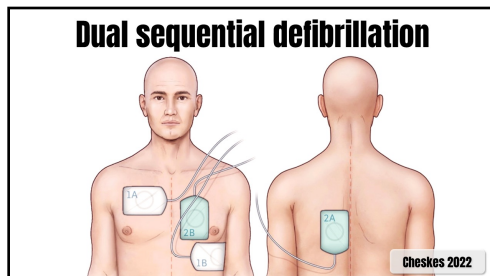
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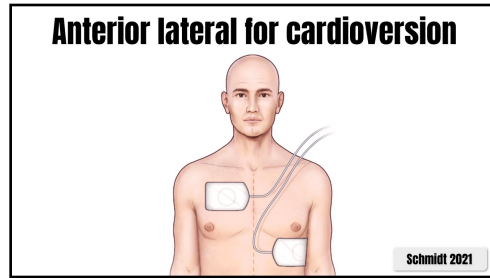
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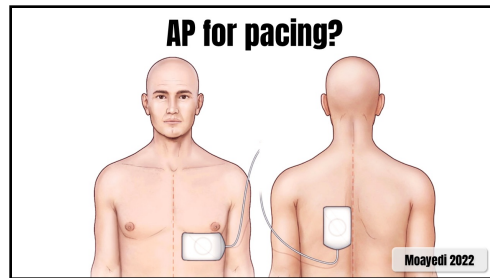
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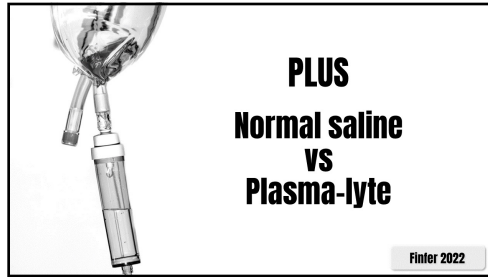
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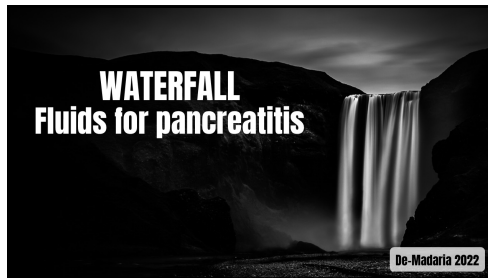
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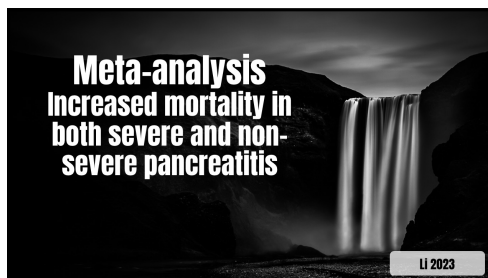
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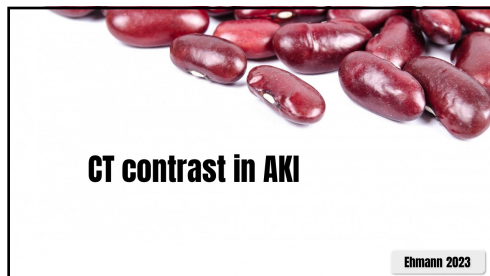
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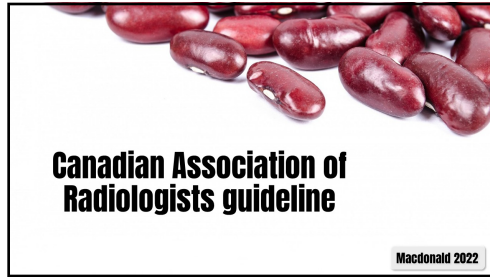
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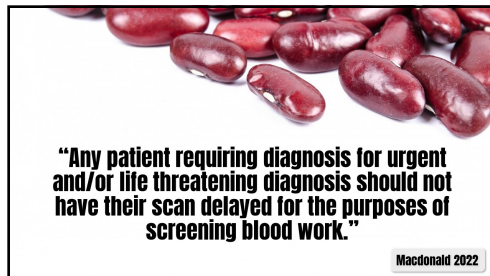
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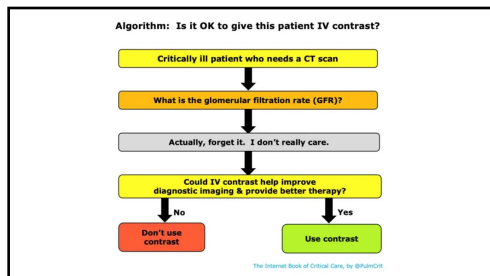
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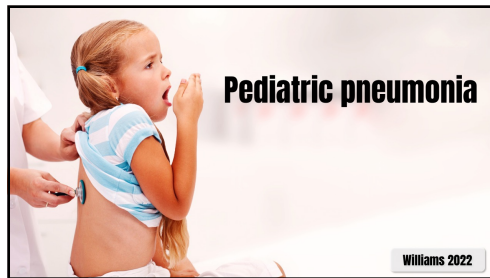
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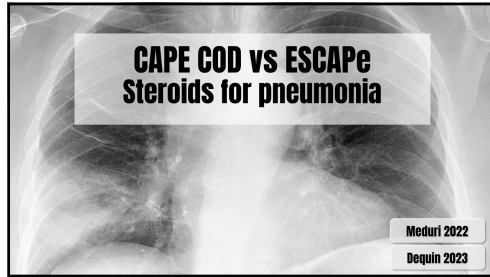
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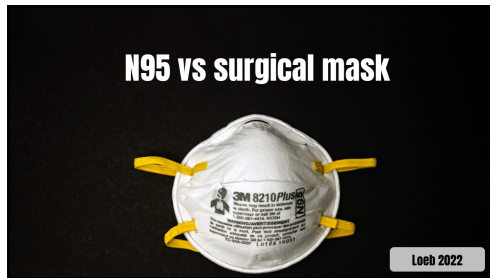
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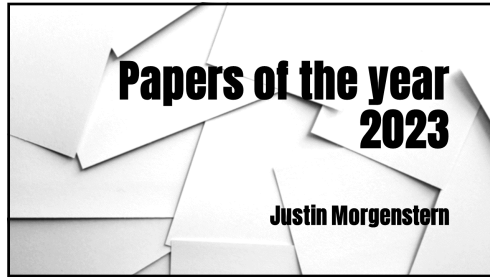
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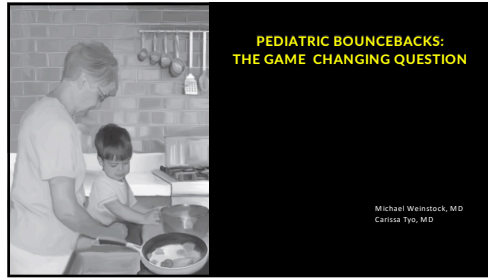
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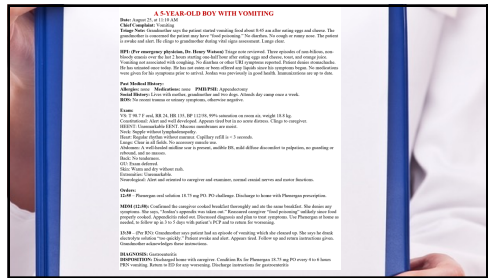
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**PEDIATRIC BOUNCEBACKS:
THE GAME CHANGING QUESTION**

Michael Weinstock, MD
Carissa Tjo, MD

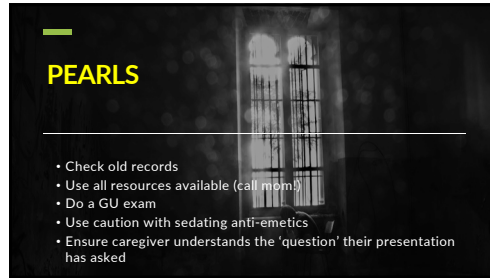
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PEARLS

- Check old records
- Use all resources available (call mom)
- Do a GU exam
- Use caution with sedating anti-emetics
- Ensure caregiver understands the 'question' their presentation has asked

7

We Are...

1

Experts of Acute Unscheduled Care

2

HALO Events and Procedures

- Aortic dissection
- Acute Coronary Syndrome
- Severe electrolyte derangements
- Pulmonary embolism
- Angioedema
- Diabetic ketoacidosis

3

Resuscitating Your Chart: A Crash Course on Critical Care Documentation

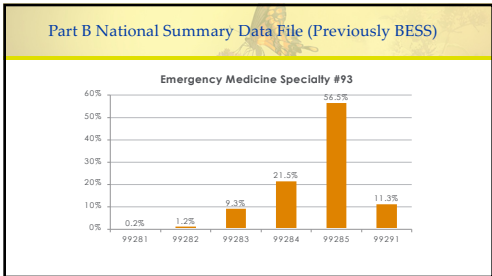
Jason Adler MD, FACEP, FAAEM
 Director of Compliance and Reimbursement
 University of Maryland School of Medicine
 VP, Acute Care Solutions, LogixHealth

4

Critical Care CPT Definition

"A critical illness or injury acutely impairs one or more vital organ systems such that there is a high probability of imminent or life-threatening deterioration in the patient's condition.."
(AMA/CPT)

5



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Critical Care: The Math

CPT Code	RVUs	Approx. Payment
99283	2.13	\$85
99284	3.58	\$140
99285	5.21	\$205
99291 (critical care)	6.31	\$255

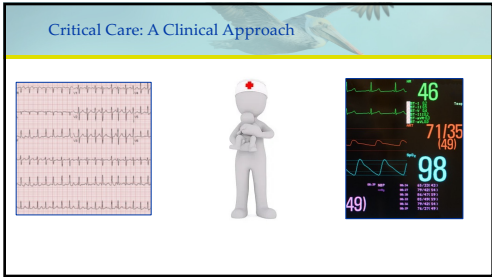
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- Critical Care: Supporting Criteria
- **Potential** for life threatening deterioration
 - **Hard finding:** diagnostic or exam
 - **Intervention** to prevent deterioration
 - 30 minutes of physician care outside of separately billable procedures

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Interventions – Medications and Procedures

Medications	Procedures
<ul style="list-style-type: none">• Anticoagulation: lovenox, heparin, integrin• Allergy/asthma: epi, magnesium• Antiarrhythmic: adenosine, diltiazem, amiodarone• Antidotes: naloxone, IV dextrose, bicarb, charcoal• Blood products: pRBC, platelets, Kcentra• Pressors: epi, norepi, dopa	<ul style="list-style-type: none">• BPAP/CPAP/HFNC• Intubation• Bag valve mask• Central line• Cardioversion• Chest tube• CPR*

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Potential Critical Care Diagnoses

- Severe sepsis/septic shock
- Acute coronary syndromes
- Atrial fibrillation with RVR and arrhythmia
- COPD/asthma exacerbation
- Acute pulmonary edema
- Hyperkalemia with EKG changes
- DKA
- Intracranial hemorrhage
- GI bleeding
- Pulmonary embolism
- Substance withdrawal

14

Critical Care- Disposition

- Transfer to a higher level of care
- ICU
- Telemetry
- Discharge after significant improvement

15



Critical Care: Time Consideration

16

Inclusion: Time Spent

- At the bedside
- Full attention to the patient
- Ordering/reviewing diagnostic tests
- Treatment discussions with family and EMS after patient arrival
- Treatment discussions with consultants or appropriate source
- At least 30 minutes
- Cumulative, not consecutive

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Time Not Counted: Separately Reportable Procedures

- Central line
- Laceration repair
- Thoracostomy
- Intubation
- CPR
- Time after patient expires

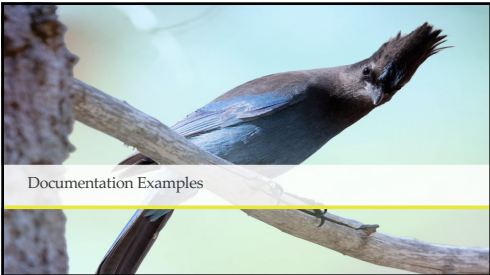
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Time Considerations: Take Home Point

- Total minutes, not ranges
- Critical care requires 30 minutes or more
- "I provided XX minutes of critical care time exclusive of procedures"



19



Documentation Examples

20

Hyperkalemia

Progress Notes: Medical Decision Making and Critical Care - protocol

38 year old male, known ESRD on (M/WF), coming in today after missing his last dialysis session. +mild SOB VS 190/80, 90, 12, 95% on RA. +crackles b/l lung bases. CXr interpreted by me, mild edema no infiltrate. EKG interpreted by me, peaked T waves in the precordial leads, which is new when compared to previous EKG on 10/24/02. Labs: K is 7.9; H bicarb.

Spoke with Dr. Kidney nephrology, who will help facilitate dialysis in the AM. Will keep in hospital. For the acute on chronic hyperK with EKG changes, patient was given insulin/glu, albuterol, and calcium. Discussed with admitting team.

21

Atrial Fibrillation With RVR

Progress Notes, Medical Decision Making and Critical Care *procode*

55 yo F, history of atrial fibrillation on AC, hypertension, hyperlipidemia, presents to the ED with 4 hours of palpitations. No associated SOB or chest pain. Onset was sudden, non-exertional, not associated with diaphoresis. Upon arrival, initial heart was 148 with a systolic BP around 120. Electrolytes were reviewed, no significant abnormalities, a CTA was performed to evaluate for pulmonary embolism and yield as negative by radiology.

ECG is consistent with atrial fibrillation with RVR. A diltiazem bolus and infusion has been ordered. Most recent heart rate is 120. Discussed with hospitalist who will continue treatment plan during hospitalization.

22

Allergy/Anaphylaxis

Progress Notes, Medical Decision Making and Critical Care *procode*

Patient arrived with an acute allergic reaction - diffuse urticaria, expiratory wheeze, and initial blood pressure 100/60. Was brought back to a treatment room, given fluids, benadryl, steroids, and nebs, and epinephrine.

Reassessment at 1330: lungs still with expiratory wheeze, no retractions. Urticaria appears less pronounced. BP 110/85

Reassessment at 1400: mild scattered wheeze. Second liter running. Urticaria resolved.

Reassessment at 1445: Pt reports feeling better. Clear lungs.

1530: Blood pressure has consistently been >130 systolic. Plan to monitor for 2 more hours, if no rebound, will dc.

23

Acute Psychosis

ED Course as of [REDACTED]

0944	Pt with persistent agitation. HR 145. Verbal de-escalation attempted. Tangential, non-linear thought process. Worsening acute psychosis and a potential danger to himself and others. Concern about metabolic derangements possible acidosis. Ordering haldol, benadryl, and ativan. [ET]
0948	Pt more calm, resting in bed. HR has improved to 110. Will continue to reassess. [ET]

24

Pulmonary Edema

Progress Notes, Medical Decision Making and Critical Care prosecco

Exam most consistent with acute cardiogenic **pulmonary edema**. Initially RR 32 labored breathing, coarse BS. BP significantly elevated 220/130. SaO2 90% on 15L NRB.

Was started on BPAP, high dose NTG gtt, and furosemide.

CXR, interpreted by me, with diffuse pulmonary edema and cephalization. External record review - admitted with similar presentation to this hospital 6/15/2022. Inpatient notes show BNP range 1500-2000.


Reassessed at 1230. RR is much improved, breathing is less labored, no longer diaphoretic. Will continue with BPAP and continuous monitoring. Repeat BP 200/100. Anticipate admission to IMC/ICU.

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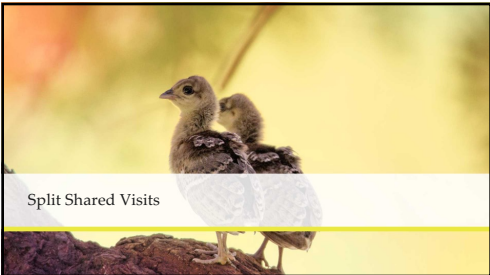
CPR

92285 plus CPR yields a total of 10+ RVUS

- **AMA Policy Statement**
 - "The physician may report 92950 whether actually performing compressions or directing these activities"
 - Documentation: Write a brief oversight note
 - Typically, also report a high-level E/M service



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Split Shared Visits

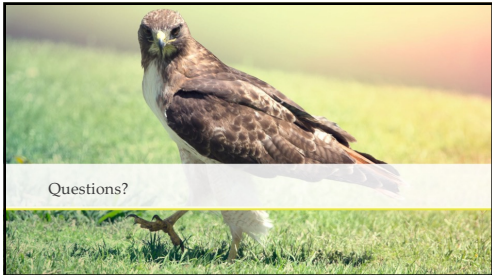
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Split Shared Visit for 2022 and 2023

- Cumulative time may be reported
- Clinician with more than half (substantive time) will get the credit

Critical Care Shared Visit Physician Attestation Example:
"I personally saw the patient. PA Green and I provided critical care for a total of 40 minutes. I provided a substantive portion of the care and the majority of the critical care time."

28



Questions?

29

Key Take Home Points

- Critical care is often under reported
- Consider the potential for deterioration, hard findings, and interventions
- Time
- No major changes in split shared visits

30



31

LECTURE INSPIRED BY

BIGGIE



BILLY CAPUTO, MD RDMS FACEP
 RESIDENCY DIRECTOR, ASSOCIATE CHAIR
 STATEN ISLAND UNIVERSITY HOSPITAL


Caputo's Wrist and Forearm Injuries
 Lecturer Contact: wcaputo@northwell.edu
 Please reach out to me with any questions or comments

QR code to lecture
 Ultrasound images
 and videos used in
 the lecture. PDF to
 Advanced upper
 extremity, trunk, and
 neck regional nerve
 blocks

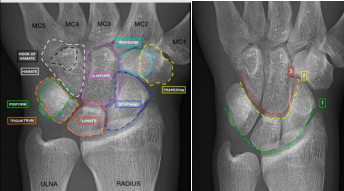


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HOW TO READ WRIST FILMS



Wrist films are important to be able to read as almost always the patient is disposed before the reading is back. We will look at the 3 different views of the wrist and the different bones.




On the PA view, assess all of the bones and articular surfaces. The distal radial articular surface should cup the carpal bones. Looking at spacing of the bones is important, especially between the scaphoid and lunate. Assess Gill's arc and the carpal arcs. Disruption to any of the arcs may suggest an underlying fracture or ligamentous injury.

2

RULE ONE


NEVER MISS A DISLOCATION AT THE WRIST




Lateral View:
 - Check for a triquetrum fracture on lateral view (2nd most common fracture)
 - assess for a wrist dislocation by checking alignment of the distal radius - lunate - capitate - 3rd metacarpal base.

LATERAL

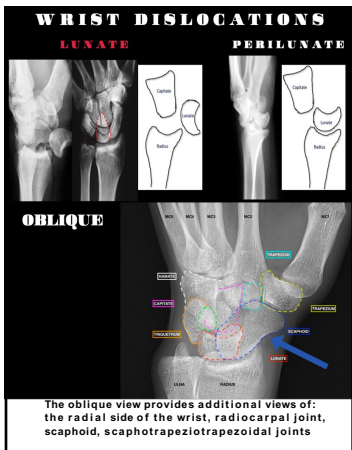
CHECK ALIGNMENT OF RADIUS, LUNATE, CAPITATE, AND 3RD MC



DRAW THE LINE EVERY TIME



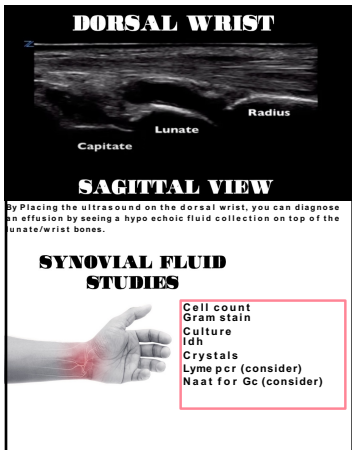
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PATIENT INFORMATION



- PROGNOSIS
- RICE THERAPY
- SPLINT CARE
- MEDICATIONS
- FOLLOW UP
- LIMITATIONS OF ED WORK UP
- POSSIBLE MRI
- POSSIBLE SURGERY
- HEALING TIMELINE
- RETURN PRECAUTIONS
- COMPARTMENT SYNDROME

SUMMARY



- TRACTION
- RECREATE
- FULCRUM



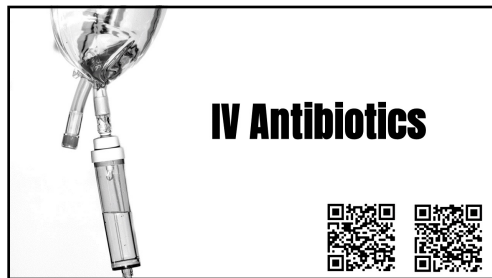
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**“Don’t worry.
That antibiotic is from
the **stomach!**”**




4

BIOAVAILABILITY

Cephalexin	90-100%
Doxycycline	>90%
Clindamycin	90%
Septa	80-90%
Metronidazole	80%
Cipro	70-80%




5



**Cellulitis
4 RCTS
PO better?**

6




Cochrane 2010

FASTER symptom
improvement with **ORAL**

RR 0.85 95% CI 0.73-0.98


7



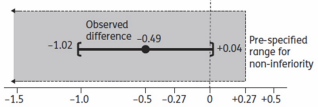
Aboltins 2015

Cefazolin 2 gram IV BID
vs
Cephalexin 1 gram PO QID

8

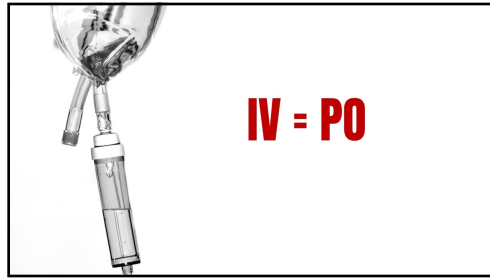


Aboltins 2015



Range: Identical to oral
being 1 day faster

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Diverticulitis



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4 RCTs
Antibiotics vs placebo
NO DIFFERENCE

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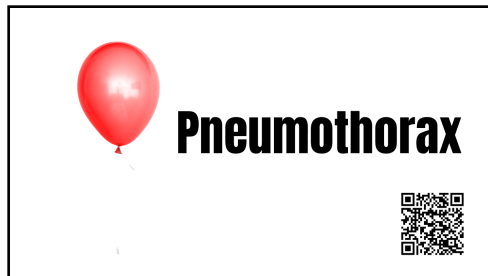


No antibiotics
98% cure

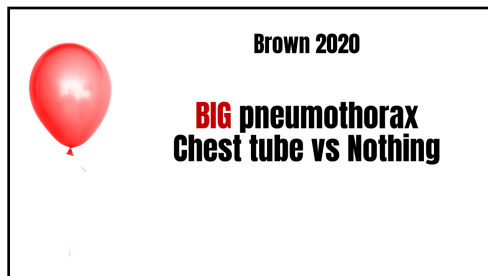
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Brown 2020



Not non-inferior?
X-rays better a little faster
with chest tube

19

Brown 2020



Superior?
All other outcomes better
with conservative MGMT

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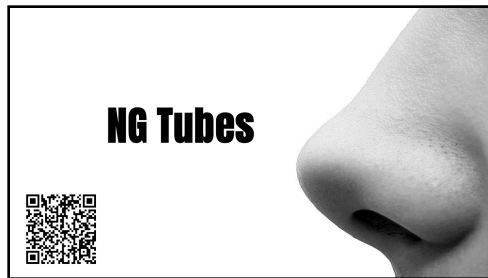


Is that enough to
change practice?

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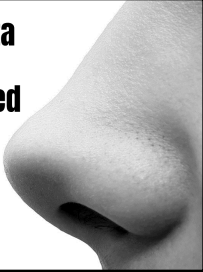


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Observational data
Many patient managed with NGs



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Observational data
Many patient managed with NGs
NG associated with WORSE OUTCOMES



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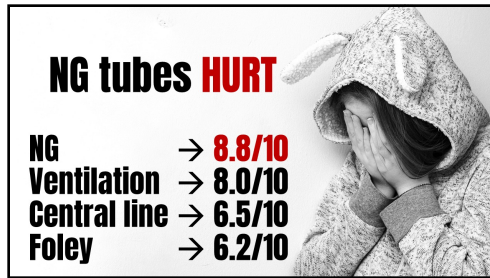
Nelson 2005
Post-OP NGs
28 RCTs
NG = WORSE OUTCOMES



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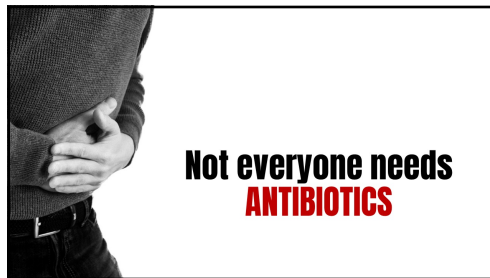
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Dr. Carissa J. Tyo and Dr. Michael Weinstock
April 1 & 2, 2023

Adult Patient Bouncebacks

1

I have no financial interests or relationships to disclose
-Carissa J. Tyo, MD

2

Bounceback Definitions

- Unscheduled return within 72 hours of initial presentation regardless of cause
- Not always for same complaint

Gabayan, et al. Factors Associated with Short-Term Bounce-Back Admissions after Emergency Department Discharge. *Annals of Emergency Medicine* 42(2): 135-44 E1, August 2013

- Structural complaints
 - Insurance, Medicaid or Medicare
 - Prior disposition AOK or left before evaluation complete
- Primary Care complaints
 - CKD not yet ESRD
 - EMU
 - COPD
- Hospital Care complaints
 - Health status
 - Teaching obligation

3

Question for the Room...

- Have you ever had a patient bounceback to the ED?
- Have you ever been confronted with the dreaded: "Hey, remember that patient you took care of...?"
- Have you ever taken care of a patient returning as a bounceback?
- Have you ever received a bounceback patient and disagreed with the plan of care from the first provider?

4

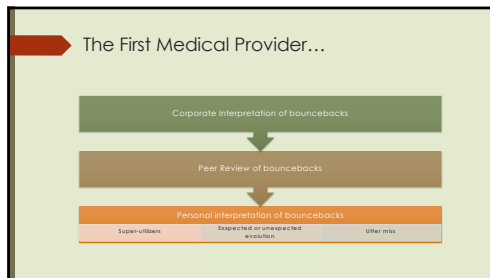
Adult common bouncebacks

- Abdominal pain
- Chest pain
- Weak/dizzy
- CAD/ESRD
- Cardiac dysfunction (CHF)
- Substance use disorder
- Psychiatric illness
- Homelessness
- Sickle Cell Disease

Factor/Considerations


- Lower socioeconomic status
- Lower health literacy
- Limited access to care
- Medicaid/Medicare
- Teaching institutions
- Corporate Management Groups

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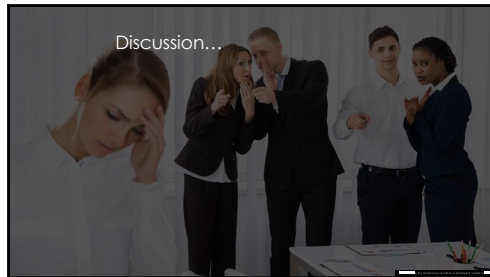


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- Time to take a deeper dive?
- Breaking the news to a colleague
- Evolution of disease process-agree with prior care
- Disagree with former care
 - OSH
 - Peer
 - Specialist

 The Second Medical Provider

7



8