Look Who’s Chalking

Proven Strategies to Bring Efficient and Effective Chalk Talks to the Bedside

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Your Objectives?
What is a Chalk Talk?
Educational moment seized upon where facilitator is armed only with a writing utensil and a writing surface
What's a Mini Chalk Talk (MCT?)
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Brief (13 minute) structured education session with defined learning objectives presented in an interactive visual way using real-time writing/drawing.
Why?
Carpe Teachable Moment
Peer Learning

Carpe Teachable Moment

Just In Time

Bedside Pearls
Carpe Teachable Moment

Wait

What am I thinking?

Peer Learning

Just In Time

Bedside Pearls
Allows to teach to different learning styles

Puts a literal frame around the teaching moment
Beginning Strategies
Build the Bank

Develop/refine teaching scripts
Build the Bank

Develop/refine teaching scripts

Be on the lookout for frequent triggers
Build the Bank

Develop/refine teaching scripts

Be on the lookout for frequent triggers

Unplug PowerPoints
Build the Bank

- Develop/refine teaching scripts
- Be on the lookout for frequent triggers
- Unplug PowerPoints
1. Reflect on your last few weeks of clinical service or precepting sessions, and the type of patients/clinical questions which come up most often.

2. Generate a handful of talks that cover a 3-5 meaningful and practical learning points and can be summarized with minimal text on a single sheet of paper or 3x5 card.
Your bank account
Tip: Entire MCT should fit on a 3x5 Card
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Tip: Write learning objectives on the back

Your bank account
Failure to Thrive
Failure to Thrive

Not Enough In
- Insufficient Calories
- Formula Diluting
- Neglect
- Cleft Palate
- Swallowing Problems

Bucket's Too Small (Needs More Energy)
- Seizure disorder
- Chronic inflammation
- Congenital Heart Disease

Too Much Out
- Gut Malabsorption:
  - Fat (i.e. CF)
  - Carbs (Hartnup)
  - Protein (PLE)
- Urine Calories Lost (DM)
- Can't Use Substrate (enzyme det.)
Check your Balance
Check your Balance

Perform Educational Pre-Rounds
Check your Balance

Perform Educational Pre-Rounds

Embrace the Mini and (S)Pace Yourself
Check your Balance

Perform Educational Pre-Rounds

Embrace the Mini and (S)Pace Yourself

Look for natural progress
Diagnosis of Asthma
Diagnosis of Asthma

ER management
Diagnosis of Asthma

Confusing Case Presentation that Wasn't Asthma

ER management
Diagnosis of Asthma

Confusing Case Presentation that Wasn't Asthma

ER management

Outpatient Management
Diagnosis of Asthma

Confusing Case Presentation that Wasn't Asthma

ER management

Outpatient Management
Asthma (1/3)
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Beta 2 Agonist

(Beta 2 Agonist + Anticholinergic) x 2

Systemic Steroid (PO vs IV)

Magnesium Sulfate

Sub Q Epinephrine

Terbutaline

Heliox

Intubation
Beta 2 Agonist

(Beta 2 Agonist + Anticholinergic) x 2

Systemic Steroid (PO vs IV)

Magnesium Sulfate

Sub Q Epinephrine

Terbutaline

Heliox

Intubation

Tip: Write down key pearls you'll want to cover
Asthma (1/3)

- Beta 2 Agonist
  - (Beta 2 Agonist + Anticholinergic) x 2
  - Helpful only in ED setting
- Systemic Steroid (PO vs IV)
  - Decadron vs. Prednisone
- Magnesium Sulfate
- Sub Q Epinephrine
  - Terbutaline
  - Heliox
- Intubation
  - Why do we hope to avoid intubation

Tip: Write down key pearls you'll want to cover
Asthma

Exacerbation

Rescue Agent
Albuterol

Controllers

Low Dose ICS
High Dose ICS
Leukotriene Antagonists
LABA

Recurrent/Chronic Exacerbations
Simplified Urea Cycle

- Fumarate
- Arginine
- Ornithine
- Argininosuccinate
- Citrulline
- Aspartate
- Cytoplasm
- Mitochondrial Matrix

Urea Cycle Reactions:

1. Citrulline + Aspartate → Argininosuccinate + CO₂
2. Argininosuccinate → Fumarate + Arginine
3. Arginine + H₂O → Ornithine + CO₂
4. Ornithine + Carbamoyl phosphate → Citrulline + NH₄⁺
Simplified Urea Cycle

Fumarate → Arginine → Ornithine → Argininosuccinate → Aspartate → Citrulline → Carbamoyl phosphate

MITOCHONDRIAL MATRIX

CYTOPLASM

H₂O, CO₂, NH₄⁺

Urea

Allows you to pseudo-improvise
Tip: Remain learner focused.
Make a Withdrawal
Make a Withdrawal

Go beyond the board
Make a Withdrawal

Go beyond the board

Orient/Pre-Protect

Time to establish a cadence
Make a Withdrawal

Go beyond the board

Orient/Pre-Protect

Time to establish a cadence

Facilitate WITH rather than teach AT
Embrace Positive Peer Pressure
Mini Practice Sessions
Work on your Figure (Charlie)
Share the Space (Sonja)

Work on your Figure (Charlie)
Share the Space (Sonja)

Up Your Game (Mike)

Work on your Figure (Charlie)
Share the Space (Sonja)

Beyond the Bedside (Emily)

Choose Your Own Adventure (Erin)

Pick Your Poison (Maren)

Up Your Game (Mike)

Work on your Figure (Charlie)