



Lauren Graber MD, MPH Hennepin Healthcare Family Medicine & Addiction Medicine

Disclosures No financial disclosures

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Objectives for today

buprenorphine helps

precipitated withdrawal

buprenorphine



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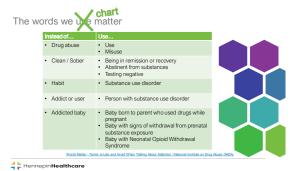




A Note on Storytelling



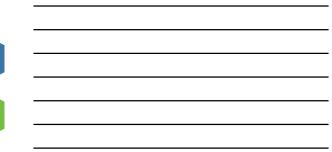
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Despite national coverage that overdoses are slowing, ongoing trend continues to exceed projections





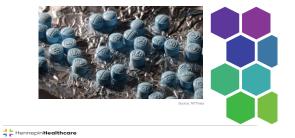
Fentanyl & Other Opioids



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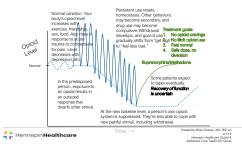
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Fentanyl & Other Opioids



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Adulterants Xylazine



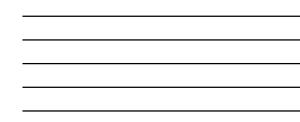


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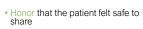
Withdrawal Symptoms





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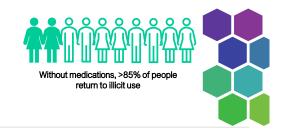
How to respond to a patient's disclosure of opioid use



- Affirm commitment to supporting them to be healthy and that this is a safe place
- Share:
 Harm reduction
 - Substance use treatment programs
- Medications

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Medications for Opioid Use Disorder



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Buprenorphine



Partial Opioid Agonist

Less respiratory depression Decreases cravings Decreases withdrawal symptoms No X waiver needed to prescribe Any provider with a DEA can prescribe Allows for split dosing throughout the day

Accessible



Risk of opioid overdose is significantly lower 62% reduction of opioid overdose risk Maintain tolerance Blocks fentanyl

Buprenorphine Formulations



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Starting Buprenorphine



Need to decide: Low dose or High dose initiation?



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Precipitated Withdrawal





Starting Buprenorphine: Assess Withdrawal Status

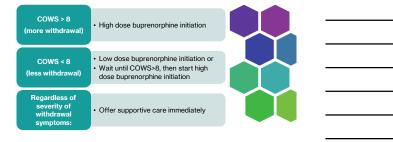
Ask your patient:

- Are you in withdrawal?
- · Goosebumps?
- · Dilated pupils?



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Starting Buprenorphine



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Starting Buprenorphine: High Dose Initiation

- If COWS score >8: start high dose buprenorphine initiation:
- Give 8 mg buprenorphine immediately
- Can increase to 16-32 mg/day as needed
- Typically increase dose by 8 mg at a time
- Can receive 32 mg on day 1 of treatment!



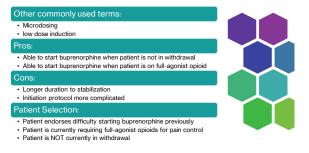
Starting Buprenorphine: High Dose Initiation

- Titrate dose as needed:
 - Typical therapeutic dose 16-24 mg
 - In fentanyl era, 24 mg TDD = more engaged in care
 - Goal:
 - · Minimal to no cravings for opioids
 - · No opioid withdrawal symptoms
 - · Avoid side effects



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Starting Buprenorphine: Low Dose Initiation



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Low Dose Buprenorphine Initiation Protocols

The basics:

- Start with low dose buprenorphine (less than 1 mg) · CONTINUE full agonist opioids:
- Self-directed illicit/nonprescribed opioids outpatient Methadone or hydromorphone recommended inpatient
- Typical timeline:
- 3-7 days
- Goals = same as high dose initiation
 - By day 7:
 - Therapeutic dose of buprenorphine (typically 16-24 mg TDD)
 - · Discontinue full-agonist opioids



Example 3-day Low Dose Initiation Buprenorphine Protocol

Day	Buprenorphine Dose	Full-Agonist Opioids
1	0.5 mg (1/4 of 2 mg film) SL buprenorphine Q3 hours	Continue
2	1 mg (1/2 of 2 mg film) SL buprenorphine Q3 hours	Continue
3	8 mg (1 film) TID SL buprenorphine	Wean or stop

- Prescribe: 2 mg buprenorphine films #6, 8 mg buprenorphine films #3 for 3 day supply $% \left({{\left({{{\left({{{\left({{{\left({{{\left({{{{\left({{{{}}}}} \right)}}} \right.} \right.} \right.} \right)}_{0,2}} \right)}_{0,2}} \right)}_{0,2}} \right)$

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7-day Low Dose Buprenorphine Initiation Protocol

Day	Buprenorphine Dose	Full Agonist Opioid
1	0.5 mg (1/4 of 2 mg film) buprenorphine SL daily	Continue
2	0.5 mg (1/4 of 2 mg film) buprenorphine SL BID	Continue
3	1 mg (1/2 of 2 mg film) buprenorphine SL BID	Continue
4	2 mg(1 film of 2 mg film) buprenorphine SL BID	Continue
5	3 mg (1.5 film of 2 mg film) buprenorphine SL BID	Continue
6	4 mg (2 of 2 mg film) buprenorphine SL BID	Continue
7	8 mg (1 film of 8 mg film) buprenorphine SL TID	Wean or stop

 $\label{eq:prescribe: 2 mg bup renorphine SL strips \# 15, 8 mg bup renorphine strips \# 4 \ for \ 7 \ day \ supply$

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Treatment for Opioid Withdrawal

Opioid Withdrawal Symptoms	Supportive Care Medications
Anxiety, irritability, restlessness	Clonidine Hydroxyzine Gabapentin Tizanidine Lorazepam Olanzapine
Nausea, vomiting	Ondansetron
Diarrhea	Loperamide
Body aches/Pain	Tizanidine

Precipitated Withdrawal



Buprenorphine has a higher affinity for mu receptors than most opioids

Can replace full agonist opioid at mu receptor causing acute severe opioid withdrawal symptoms Occurs 15-60 minutes after taking buprenorphine It's not naloxone!





Resources

California Bridgetotreatment.org:

Boston Medical Center MAT Quick Start



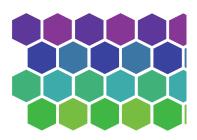
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In summary

- 1. The words we use & chart matter
- 2. Fentanyl is different, but treatable
- 3. Protocols can help start buprenorphine
- 4. Treat and prevent withdrawal

Questions? Thank you! Lauren Graber MD, MPH lauren.graber@hcmed.org Katie Mackay MD macka100@umn.edu



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References

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