

Management of Withdrawal: Alcohol, Benzodiazepines, Opioids

Julie Kmiec, DO
Associate Professor of Psychiatry
kmiecj@upmc.edu

University of Pittsburgh

Disclosures

- I have no financial conflicts of interest to declare.
- I will be talking about off-label use of
 - lorazepam
 - phenobarbital
 - gabapentin
 - carbamazepine
 - olanzapine
 - haloperidol
 - clonidine

Objectives

- At the end of this lecture participants will be able to:
 - Name common signs and symptoms of alcohol, benzodiazepine, and opioid withdrawal
 - Understand different management strategies for withdrawal syndromes, including tapers and symptom triggered dosing
 - Discuss evidence-based treatment of alcohol, benzodiazepine, and opioid withdrawal

ALCOHOL

Case Study: Isaac

- 32-year-old man
- History of opioid use disorder, past treatment with buprenorphine/naloxone and naltrexone-XR, opioid free for 3 years
- Started drinking alcohol daily last spring, amount grew over time, has been drinking 3 bottles of wine daily
- He has tried to stop drinking but can't because he feels sick
- Has had orthopedic surgeries, but otherwise healthy
- Lives alone, currently unemployed
- What would you recommend for treatment?

Tolerance

- Ordinarily, glutamate and GABA are in homeostasis
- Alcohol facilitates GABA_A neurotransmission
 - Over time, repeated use of alcohol causes a down regulation in GABA receptors and more alcohol is needed to produce effect
- Alcohol acts as an NMDA receptor antagonist, decreasing excitatory tone
 - Chronic alcohol use leads to upregulation of NMDA receptors and more glutamate production

Withdrawal

- If alcohol is stopped suddenly, the inhibition from alcohol is gone, and the glutamate related excitation is unopposed
- This results in symptoms of alcohol withdrawal
- During alcohol use and withdrawal there is an increase in dopamine which contributes to autonomic hyperarousal and hallucinations

Alcohol Withdrawal

- Onset of particular symptoms
 - Withdrawal
 - 6-24 hrs after last drink, peaks 24-36 hrs
 - Seizures
 - 6-48 hrs after last drink, peak at 24 hrs
 - Withdrawal Delirium (aka delirium tremens, DTs)
 - 48-96 hrs after last drink

Signs & Symptoms of Alcohol Withdrawal

- Elevated BP, HR, temp
- Sweating
- Tremor
- Diaphoresis
- Dilated pupils
- Disoriented
- Seizure
- Hyperactive reflexes
- Anxiety
- Insomnia
- Vivid dreams
- Headache
- Loss of appetite
- Nausea
- Irritability
- Insomnia
- Illusions/Hallucinations

Table 4

Predictors of severe alcohol withdrawal (withdrawal seizure or DT)[6,11,13]

Older age
Comorbid medical or surgical illness
Past history of DT or alcohol withdrawal seizure
Severe withdrawal symptoms at initial assessment, despite having significant blood alcohol levels
Presence of dehydration
History of having had withdrawal seizure during this current withdrawal state before the assessment
Presence of hyponatremia or hypokalemia
Elevated AST or GGT levels
Low platelet count
The presence of structural brain lesions
Duration of alcohol use and average daily quantity of alcohol consumed are not consistent predictors of severe alcohol withdrawal

AST – Aspartate aminotransferase; GGT – Gamma glutamyl transferase;
DT – Delirium tremens

Alcohol Withdrawal Delirium

- May begin 48 hours after last drink, last up to 2 weeks
- Tachycardia, hypertension, fever
- Tremor
- Diaphoresis
- Fever
- Confusion, disorientation
- Hallucinations
- Agitation
- Disruption of sleep-wake cycle
- Death

CIWA-AR (Sullivan et al., 1989)

- Study found P and BP did not correlate with severity of withdrawal.
- Determined other signs and symptoms are more reliable in assessing severity of withdrawal
- Score range 0-67
- Score <10 pharmacologic treatment not needed

Appendix: Addiction Research Foundation Clinical Institute Withdrawal Assessment for Alcohol (CIWA-Ar)

Patient _____ Date |__|__|__| Time _____ : _____
y m d (24 hour clock, midnight = 00:00)

Pulse or heart rate, taken for one minute: _____ Blood pressure: _____/_____

NAUSEA AND VOMITING—As “Do you feel sick to your stomach? Have you vomited?” Observation.
0 no nausea and no vomiting
1 mild nausea with no vomiting
2
3
4 intermittent nausea with dry heaves
5
6
7 constant nausea, frequent dry heaves and vomiting

TREMOR—Arms extended and fingers spread apart. Observation.
0 no tremor
1 not visible, but can be felt fingertip to fingertip
2
3
4 moderate, with patient’s arms extended
5
6
7 severe, even with arms not extended

PAROXYSMAL SWEATS—Observation.
0 no sweat visible
1 barely perceptible sweating, palms moist
2
3
4 beads of sweat obvious on forehead
5
6
7 drenching sweats

ANXIETY—Ask “Do you feel nervous?” Observation.
0 no anxiety, at ease
1 mildly anxious
2
3
4 moderately anxious, or guarded, so anxiety is inferred
5
6
7 equivalent to acute panic states as seen in severe delirium or acute schizophrenic reactions

AGITATION—Observation.
0 normal activity
1 somewhat more than normal activity
2
3
4 moderately fidgety and restless
5
6
7 paces back and forth during most of the interview, or constantly thrashes about

TACTILE DISTURBANCES—Ask “Have you any itching, pins and needles sensations, any burning, any numbness or do you feel bugs crawling on or under your skin?” Observation.
0 none
1 very mild itching, pins and needles, burning or numbness
2 mild itching, pins and needles, burning or numbness
3 moderate itching, pins and needles, burning or numbness
4 moderately severe hallucinations
5 severe hallucinations
6 extremely severe hallucinations
7 continuous hallucinations

AUDITORY DISTURBANCES—Ask “Are you more aware of sounds around you? Are they harsh? Do they frighten you? Are you hearing anything that is disturbing to you? Are you hearing things you know are not there?” Observation.
0 not present
1 very mild harshness or ability to frighten
2 mild harshness or ability to frighten
3 moderate harshness or ability to frighten
4 moderately severe hallucinations
5 severe hallucinations
6 extremely severe hallucinations
7 continuous hallucinations

VISUAL DISTURBANCES—Ask “Does the light appear to be too bright? Is its colour different? Does it hurt your eyes? Are you seeing anything that is disturbing to you? Are you seeing things you know are not there?” Observation.
0 not present
1 very mild sensitivity
2 mild sensitivity
3 moderate sensitivity
4 moderately severe hallucinations
5 severe hallucinations
6 extremely severe hallucinations
7 continuous hallucinations

HEADACHE, FULLNESS IN HEAD—Ask “Does your head feel different? Does it feel like there is a band around your head?” Do not rate for dizziness or lightheadedness. Otherwise, rate severity.
0 not present
1 very mild
2 mild
3 moderate
4 moderately severe
5 severe
6 very severe
7 extremely severe

ORIENTATION AND CLOUDING OF SENSORIUM—Ask “What day is this? Where are you? Who am I?”
0 oriented and can do serial additions
1 cannot do serial additions or is uncertain about date
2 disoriented for date by no more than 2 calendar days
3 disoriented for date by more than 2 calendar days
4 disoriented for place and/or person

Total CIWA-A Score _____
Rater’s Initials _____
Maximum Possible Score 67

This scale is not copyrighted and may be used freely.

Medications for Alcohol Withdrawal

- Benzodiazepines – still gold-standard for moderate to severe withdrawal
- Anticonvulsants – gabapentin and carbamazepine have evidence for treating mild withdrawal (Minozzi et al., 2010)
- Phenobarbital – similar effectiveness to lorazepam (Hendey et al., 2011)

Alcohol Withdrawal Treatment: Adjuncts

- Haloperidol or olanzapine – for agitation, confusion
- Thiamine
- Multivitamin
- Folic acid

Medications Typically Used for Alcohol Withdrawal

Medication	Typical Route of Admin.	Onset of Action	Half-Life	Metabolism
Chlordiazepoxide	Oral	15-30 mins	5-30 hrs, 200 hrs	Phase I & II 3A4
Lorazepam	Oral, IV	<15 mins (IV) 15-30 mins (PO)	12-18 hrs	Phase II
Diazepam	Oral, IV	<15 mins	30-60 hrs, 100 hrs	Phase I & II 2C19, 3A4
Oxazepam	Oral	30-60 mins	8-14 hrs	Phase II

Considerations

- Active metabolites
 - If several active metabolites drug has longer duration
 - Active metabolites may accumulate and cause confusion and falls, especially in
 - Elderly
 - People with liver disease
 - May interact with other medications

Tapers

- Taper daily total dose by 25–50% per day over 3–5 days by reducing
 - dose amount and/or
 - dose frequency
- Example of chlordiazepoxide taper
 - Day 1: 25-100 mg po q4-6 hrs
 - Day 2: 25–100 mg PO q6–8h
 - Day 3: 25–100 mg PO q8–12h
 - Day 4 & 5: 25–100 mg PO at bedtime
- Monitor between dosing intervals on CIWA-Ar and provide additional medication if score >10

Symptom Triggered Treatment

- Only medicate when score above a certain threshold on Clinical Institute Withdrawal Assessment (CIWA-Ar)
- CIWA-Ar Score
 - If score >10 give lorazepam 1 mg or chlordiazepoxide 25 mg
 - If score ≥ 20 give lorazepam 2 mg or chlordiazepoxide 50 mg
- Monitor patient every 4-8 hrs with CIWA-Ar until score has been <10 for 24 hours
- Withdrawal scales are not a substitute for clinical judgment

Anticonvulsant Regimens for Mild Alcohol Withdrawal

- Carbamazepine 600–800 mg total per day tapered to 200–400 mg/d over 4–9 days
- Gabapentin
 - Days 1-3: 1200 mg/d tapered to 300–600 mg/d up to 4–7 days
 - Additional doses PRN

Examples when taper may be treatment of choice

- Busy unit where patient will not be monitored closely to ensure he/she is given medication for withdrawal regularly
- Patient has a history of complicated withdrawal
- If symptoms triggered dosing is not adequate (i.e., continuing high scores on CIWA-Ar)

Evidence for Medication Regimens

- In alcohol withdrawal, those receiving symptom triggered treatment
 - received less medication
 - had shorter length of treatment
 - shorter hospital stay
- compared to those receiving medications on fixed schedule

Daeppen JB, Gache P, Landry U, Sekera E, Schweizer V, Gloor S, Yersin B. Symptom-triggered vs fixed-schedule doses of benzodiazepine for alcohol withdrawal: a randomized treatment trial. *Arch Intern Med*. 2002 May 27;162(10):1117-21.

Saitz R, Mayo-Smith MF, Roberts MS, Redmond HA, Bernard DR, Calkins DR. Individualized treatment for alcohol withdrawal. A randomized double-blind controlled trial. *JAMA*. 1994 Aug 17;272(7):519-23. PubMed PMID: 8046805.

Stability

- No medical problems that alone require hospitalization
- No medical problems that can be worsened by withdrawal
- No history of complicated withdrawal
 - No history of withdrawal seizures, delirium, +/-hallucinosis
- Not suicidal or homicidal
- Vital signs stable or able to be stabilized
- Not pregnant

BENZODIAZEPINES

Case Study: Anna

- 89-year-old woman
- Was taking alprazolam 0.25 nightly for sleep for years, increased by PCP to 0.5 mg nightly, she has been taking more than prescribed
- Brought in by concerned daughter who wants her off med, balance is off, not herself
- Has h/o atrial fibrillation, prescribed diltiazem CD and taking ASA 81 mg, not on anticoagulant
- Lives at home, husband is in hospice, daughter comes over daily
- What would you recommend for treatment, anticipated problems?

Benzodiazepine Withdrawal

- Withdrawal depends on the
 - Dose
 - Duration of use
 - Duration of drug action
- Most likely to occur after discontinuation of
 - A therapeutic daily dose used for 4-6 months
 - A dose exceeding 2-3x the upper limit of therapeutic dose used for 2-3 months
- Withdrawal begins 12-48 hours after last use, depending on drug used

Benzodiazepines

- Onset of Action
 - Rapid (within 15 mins)
 - Diazepam
 - Lorazepam (IV, IM, SL)
 - Intermediate (15-30 mins)
 - Alprazolam
 - Lorazepam (PO)
 - Chlordiazepoxide
 - Clonazepam
 - Slow (30-60 mins)
 - Oxazepam
- Drugs with a quicker off-set have higher potential for dependence due to need for repeated dosing

Relative High

- When asked to rate the high from BZD in people who misuse BZDs
 - Diazepam = #1
 - Lorazepam and alprazolam slightly, but not significantly, lower than diazepam
 - Relative high was significantly less for
 - oxazepam and chlordiazepoxide compared to diazepam, lorazepam, and alprazolam
- Preferred BZD in patients with BZD use disorder
 - Diazepam (43%), alprazolam (14%), chlordiazepoxide (4%), lorazepam (4%)

Treatment for Benzo Withdrawal

- Similar to alcohol withdrawal
 - Determining inpatient or outpatient treatment
 - Stability, h/o withdrawal, etc
 - Symptoms similar, may also have tinnitus, mydriasis, photosensitivity, hyperacusis
 - Medications (benzo, barbs)
 - Tapers or symptom triggered treatment
 - May be longer than alcohol withdrawal

Evidence for Medication Regimens

- In study of BZD withdrawal, no significant differences in
 - withdrawal severity
 - duration of treatment
 - amount of diazepam administered
 - treatment drop-out
 - BZD use at follow-up
- between those receiving fixed-taper vs. symptom triggered diazepam

Overview: Outpatient Taper

- Convert to a BZD with long half-life
 - Scarcely evidence for this practice
- Gradually reduce dose of benzodiazepine
 - Various recommendations: 8-12 weeks, 3-6 months, >1 year
 - Long tapers risk becoming the focus of the person's life and poor adherence
- May be able to reduce dose by higher percentage at beginning of taper than at end

Lader M, Kyriacou A. Withdrawing Benzodiazepines in Patients With Anxiety Disorders. *Curr Psychiatry Rep.* 2016 Jan;18(1):8.

Denis C, Fatséas M, Lavie E, Auriacombe M. Pharmacological interventions for benzodiazepine mono-dependence management in outpatient settings. *Cochrane Database Syst Rev.* 2006 Jul 19;(3):CD005194.

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Adjunctive Medications

Medication	Effect of Medication	Study
Hydroxyzine	Patients taking 25-50 mg had a decrease in anxiety during a benzodiazepine taper compared to placebo.	Lemoine et al., 1997
Carbamazepine	When given 200-800 mg/day during and after a benzodiazepine taper, it reduced withdrawal symptoms and promoted abstinence compared to placebo.	Schweizer et al., 1991
Trazodone	A significantly higher percentage of patients taking trazodone during a benzodiazepine taper were abstinent from benzodiazepines at 5 weeks post-taper compared to patients taking placebo, but there was no difference at 12 weeks post-taper.	Rickels et al., 1999
Sodium valproate	A significantly higher percentage of patients taking sodium valproate during a benzodiazepine taper were abstinent from benzodiazepines at 5 weeks post-taper compared to patients taking placebo, but there was no difference at 12 weeks post-taper.	Rickels et al., 1999
Imipramine	Pretreatment and use of imipramine during benzodiazepine taper increased taper success rate; a significantly higher percentage of patients taking imipramine were abstinent from benzodiazepines at 12 weeks post-taper compared to those taking placebo.	Rickels et al., 2000

Adjunctive Medications

Medication	Effect of Medication	Study
Pregabalin	Patients treated with pregabalin (150-600 mg/day) had significantly lower withdrawal symptoms compared to placebo, both during taper and 6 weeks after. Group treated with pregabalin had lower anxiety during taper.	Hadley et al. (2012)
Buspirone	Subjects given buspirone during BZD withdrawal had lower levels of anxiety than subjects given placebo.	Morton & Lader (1995) Udelman & Udelman (1990)
Gabapentin	In MMT patients taking doses up to 1200 mg TID, there were no significant differences between gabapentin and placebo on amount of BZD use per day (both groups reduced use), days abstinent per week, and CIWA-B scale.	Mariani et al. (2016)
Flumazenil	Randomized, placebo-controlled study found subjects given flumazenil infusion plus oxazepam significantly reduced withdrawal symptoms and cravings compared to oxazepam and placebo. Subjects given flumazenil infusion had lower relapse rates up to 30 days later.	Gerra et al. (2002)
Melatonin	Cross-over study, compared melatonin to placebo in MMT patients using BZD. Sleep quality improved with cessation of BZD, regardless of group. In each group, ~30% stopped using BZD.	Peles et al. (2007)

Protracted Withdrawal

- Prolonged neuropsychiatric symptoms after cessation of benzodiazepines
 - anxiety, insomnia, depression, paresthesia, tinnitus, perceptual and motor symptoms
- May contribute to restarting benzodiazepines
- Address symptoms with adjunctive medications, SSRIs/SNRIs, supportive therapy

Address Comorbidities

- Treatments for anxiety
 - SSRI
 - SNRI
 - TCA
 - Hydroxyzine pamoate
 - CBT
- Treatments for sleep
 - Trazodone
 - Melatonin
 - TCA
 - Anticonvulsants
 - CBT

OPIOIDS

Case Study: Matt

- Matt is a 36-year-old man
- Presents to ED due to using alcohol and heroin daily, states he came in seeking withdrawal management after researching the internet
- History of overdose, denies medical and psychiatric comorbidities, CMP and CBC in normal range
- Has stable housing, his partner drinks “socially”
- What management would you suggest, thinking about possible benefits, risks, and adverse effects?

Opioid Withdrawal

- May begin 4-6 hrs after last heroin use versus 36 hours after last methadone use
- Tachycardia
- Dilated pupils, rhinorrhea, tearing, yawning
- Piloerection, tremor
- GI upset (nausea, vomiting, diarrhea)
- Insomnia
- Muscle and joint pain
- Anxiety, irritability, restlessness
- Chills

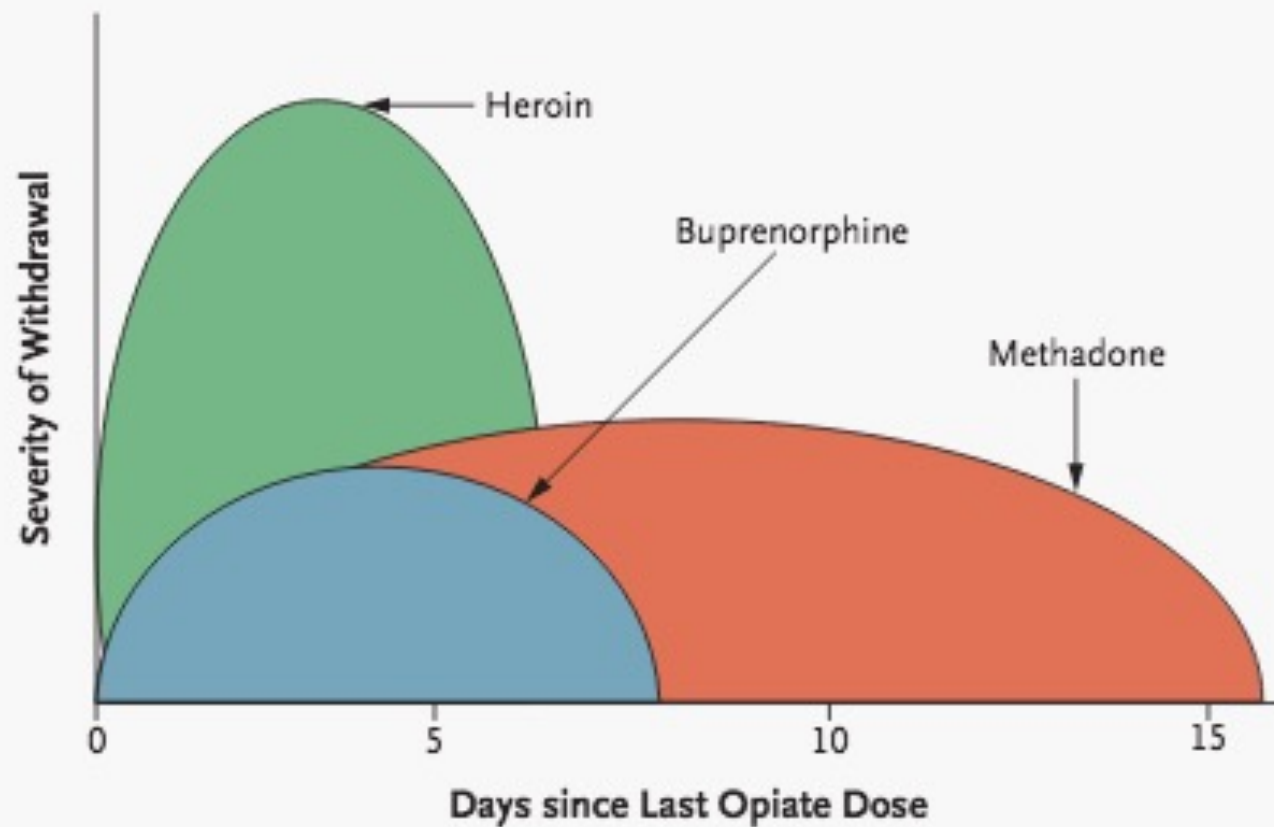


Figure 1. Severity of Opioid-Withdrawal Symptoms after Abrupt Discontinuation of Equivalent Doses of Heroin, Buprenorphine, and Methadone.

Peak withdrawal symptoms are most severe after discontinuation of heroin. Such symptoms last longest with methadone, which has a somewhat later peak of severity. Buprenorphine has milder peak withdrawal symptoms than does methadone; the duration of symptoms is intermediate between those for methadone and those for heroin.

COWS

Patient's Name: _____		Date and Time ____/____/____ : ____	
Reason for this assessment: _____			
Resting Pulse Rate: _____beats/minute <i>Measured after patient is sitting or lying for one minute</i> 0 pulse rate 80 or below 1 pulse rate 81-100 2 pulse rate 101-120 4 pulse rate greater than 120		GI Upset: over last 1/2 hour 0 no GI symptoms 1 stomach cramps 2 nausea or loose stool 3 vomiting or diarrhea 5 multiple episodes of diarrhea or vomiting	
Sweating: over past 1/2 hour not accounted for by room temperature or patient activity. 0 no report of chills or flushing 1 subjective report of chills or flushing 2 flushed or observable moistness on face 3 beads of sweat on brow or face 4 sweat streaming off face		Tremor observation of outstretched hands 0 no tremor 1 tremor can be felt, but not observed 2 slight tremor observable 4 gross tremor or muscle twitching	
Restlessness Observation during assessment 0 able to sit still 1 reports difficulty sitting still, but is able to do so 3 frequent shifting or extraneous movements of legs/arms 5 unable to sit still for more than a few seconds		Yawning Observation during assessment 0 no yawning 1 yawning once or twice during assessment 2 yawning three or more times during assessment 4 yawning several times/minute	
Pupil size 0 pupils pinned or normal size for room light 1 pupils possibly larger than normal for room light 2 pupils moderately dilated 5 pupils so dilated that only the rim of the iris is visible		Anxiety or Irritability 0 none 1 patient reports increasing irritability or anxiousness 2 patient obviously irritable or anxious 4 patient so irritable or anxious that participation in the assessment is difficult	
Bone or Joint aches <i>If patient was having pain previously, only the additional component attributed to opiates withdrawal is scored</i> 0 not present 1 mild diffuse discomfort 2 patient reports severe diffuse aching of joints/muscles 4 patient is rubbing joints or muscles and is unable to sit still because of discomfort		Gooseflesh skin 0 skin is smooth 3 piloerection of skin can be felt or hairs standing up on arms 5 prominent piloerection	
Runny nose or tearing <i>Not accounted for by cold symptoms or allergies</i> 0 not present 1 nasal stuffiness or unusually moist eyes 2 nose running or tearing 4 nose constantly running or tears streaming down cheeks		Total Score _____ The total score is the sum of all 11 items Initials of person completing assessment: _____	

Score: 5-12 = mild; 13-24 = moderate; 25-36 = moderately severe; more than 36 = severe withdrawal

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Treatment of Opioid Withdrawal

- Clonidine, Lofexidine
 - Alpha-2-adrenergic agonists
- Buprenorphine
 - Mu-opioid receptor partial agonist
- Methadone
 - Mu-opioid receptor full agonist

Withdrawal vs. Maintenance

- Withdrawal management alone results in high rates of relapse (~10-20% remain abstinent) with increased risk of accidental overdose and death
- Maintenance medications for opioid use disorder are recommended
 - Buprenorphine formulations
 - Methadone
 - Naltrexone formulations

Alpha-2-Agonists

- Opioids are mu-receptor agonists, and inhibit cyclic AMP; when chronic opioids are discontinued, cyclic AMP system in noradrenergic system become overactive
- Alpha-2-agonists suppress noradrenergic hyperactivity in locus coeruleus associated with opioid withdrawal
 - Aches
 - Rhinorrhea
 - Lacrimation
 - Temperature dysregulation
 - Diaphoresis

Kosten & O'Connor, 2003

Dosing of Alpha-2-Agonists

- Clonidine
 - Off-label use since 1970s
 - 0.1 mg to 0.2 mg every 4 hours, up to 1.2 mg per day
 - Start tapering dose after day 3
 - Typically use for up to 10 days
 - Dosing may be limited by hypotension, bradycardia
 - Adverse effects of dry mouth, somnolence, fatigue

Dosing of Alpha-2-Agonists

- Lofexidine
 - FDA approval in 2018, used in Europe for years
 - Three 0.18 mg tabs 4 times daily
 - Dosing guided by symptoms
 - Total daily dosage should not exceed 2.88 mg (16 tablets) and no single dose should exceed 0.72 mg (4 tablets)
 - Gradual dose reduction (1 tab per dose) over 2-4 days
 - Indication for up to 14 days
 - Was shown to produce more rapid resolution in symptoms, less hypotension, and retain people longer than clonidine

Meds for Associated Symptoms

- Anxiety – Hydroxyzine Pamoate
- Diarrhea – Loperamide, sometimes may need to switch to Diphenoxylate/Atropine
 - Increase in self-treatment with loperamide – QT prolongation, TdP
- Nausea – ondansetron, other antiemetics
- Insomnia – Trazodone, Melatonin, Mirtazapine

Buprenorphine

- Mu-partial agonist
- High affinity for mu receptor, slow dissociation
- Usually combined with naloxone to prevent misuse of medication; do not recommend use of mono-product
- Need DATA waiver to prescribe
 - Can be administered without DATA waiver (e.g., ED settings)
- Pt needs to be in withdrawal to start medication, typically COWS ≥ 8 to prevent precipitated withdrawal
- Alternate ways of starting buprenorphine (microinduction & macroinduction) in setting of nonpharmaceutical fentanyl use
- Well tolerated usually, most common adverse effects sweating, constipation, headache, nausea

Buprenorphine vs. Clonidine

- Prospective, randomized, open-label study of buprenorphine and clonidine
- 344 men and women with OUD
- 13-day medically supervised withdrawal study
- Either inpatient or outpatient withdrawal setting
- Adjusting for level of care (IP vs OP), those who received buprenorphine were
 - nine times more likely to have achieved treatment success (attended appointment and negative urine tox) than those receiving clonidine (OR = 9.503, 95% CI: 4.604 – 19.614, $p < .001$)
 - 22 times more likely to complete treatment (OR = 22, 95% CI: 11 – 46 $p < .001$)
 - 69.1% receiving clonidine dropped out by day four versus 12% of patients receiving buprenorphine-naloxone, $\chi^2 (1, N = 344) = 115.765, p < .001$

Methadone

- Methadone is full mu-opioid agonist
- No need to have specific level of withdrawal to start, however, not wise to start when intoxicated
- Starting dose 20-30 mg, may need to increase slightly to alleviate withdrawal symptoms, then start decreasing the dose
- Reduction of 3% of dose vs. 10% of dose per week have higher retention, less withdrawal, less illicit opioid use
 - Only 40% achieve abstinence in either group
- Starting at methadone 35 mg daily and reducing over 21 days did not offer advantage in alleviating withdrawal or achieving abstinence compared to abrupt cessation and use of clonidine

Acute Withdrawal

- 3-day rule (Title 21, Code of Federal Regulations, Part 1306.07(b)) allows a practitioner who is not separately registered as a narcotic treatment program or a certified DATA waiver provider, to administer narcotic drugs to a patient for the purpose of relieving acute withdrawal symptoms while arranging for the patient's referral for treatment
 - Not more than 1 day's medication may be administered at one time
 - Treatment may not be carried out for more than 72 hours
 - The 72-hour period cannot be renewed or extended
- As of March 2022, EDs may apply for exception to dispense 3-day supply of med for those in opioid withdrawal

Hospitalized Patients

- A physician or other authorized hospital staff may maintain or detoxify a person with buprenorphine or methadone as an incidental adjunct to medical or surgical conditions other than opioid use disorder (OUD)
- A patient who is admitted to a hospital for a primary medical problem other than OUD, such as endocarditis, may be administered opioid agonist medications, methadone and buprenorphine ,to prevent opioid withdrawal that would complicate the primary medical problem
- A DATA 2000 waiver is not required for practitioners to administer or dispense buprenorphine or methadone in this circumstance

QUESTIONS/COMMENTS

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