Addressing sleep concerns with therapeutic interventions and medication management

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Behavioral Health

Learning objectives

Upon completion of the instructional program, participants should be able to:

- 1. List at least two sleep strategies to recommend or use with patients who have sleep concerns.
- 2. Recognize at least three pharmacotherapy approaches which could be beneficial in treating patients with sleep concerns.

What we'll cover in this webinar

Defining insomnia and nightmare disorder, and reviewing sleep hygiene strategies

- · DSM-5 TR criteria for insomnia and nightmare disorder
- Sleep hygiene strategies for adults and children
- Application to pediatric population

Strategies to address sleep issues

- · Cognitive behavioral therapy for insomnia (CBT-I) and imagery rehearsal therapy
- Considerations for implementation
- · Prevalence rates for sleep disorders among LGBTQ population

Pharmacotherapy strategies for treatment of insomnia

· Newer medications with a novel mechanism of action to address various sleep disorders

Moderated Q&A



Nightmare Disorder There's more to me, more to the universe, than [suspected. Room for all the dreams [ever had, and all the nightmares ... heroes in the gutters and in the mirror; saints in the frozen wasteland; fools and liars on the throne of wisdom, and hands reaching out in hunger that will never be filled.

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DSM-5 TR criteria: Nightmare disorder

- Repeated occurrences of extended, extremely dysphoric, and well-remembered dreams
 that usually involve efforts to avoid threats to survival, security, or physical integrity and
 that generally occur during the second half of the major sleep episode.
- On awakening from the dysphoric dreams, the individual rapidly becomes oriented and alert and conscious of surroundings
- The sleep disturbance causes clinically significant daytime distress or impairment in social, occupational, or other important areas of functioning.
- The nightmare symptoms are not attributable to the physiological effects of a substance and are also frequently accompanied by disrupted sleep and affective complaints
- Coexisting mental disorders and medical conditions do not adequately explain the predominant complaint of dysphoric dreams.
- · Falls under the category of parasomnias.

(American Psychiatric Association, 2022)



Nightmare Disorder Specifiers Acute – less than one month Subacute – greater than one month, less than six months • **Persistent –** greater than six months • Mild – less than one episode per week • Moderate - one or more episodes per week, but not nightly • Severe – nightly (American Psychiatric Association, 2022)

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Sleep hygiene strategies

- 1. Stick to a schedule for waking and sleeping
- 2 Establish a bedtime routine
- 3. Don't eat or drink a lot before bed
- 4. Avoid/limit caffeine, nicotine, alcohol, and cannabis
- 5. Exercise regularly in mornings or early afternoon
- 6. Keep your room cool, comfortable, and safe
- 7. Sleep primarily at night

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(Gehrman, 2021; Manber, et al., 2014; Rathus & Miller, 2015)

















CBT-I: Circadian rhythm

- Strengthen it with:
 - Waking up the same time every day
 - · Timing and amount of light exposure you get
 - Regularity of other activities (e.g., eating, exercise)

(Gehrman, 2021; Manber, et al., 2014)























- Acts to inhibit the original nightmare, providing a cognitive shift that empirically refutes the original premise of the nightmare.
- Demonstrated clinically meaningful and significant decrease in nightmare frequency with long term follow up
- Effective in the management of both PTSD associated nightmares and idiopathic nightmares
- · Well tolerated treatment

(Schwartz, et al., 2022)

Pharmacological treatment for nightmares

 Alpha blockers (Prazosin, Doxazosin, Clonidine) may be used as adjunct therapy according to AASM guidelines. There's evidence that treatment with alpha antagonists didn't yield any real improvements in recent large scale multicenter trials as well as evidence that it's more effective than once thought in reducing nightmare frequency and improving sleep quality Due to this conflicting data it's not considered to be a level A treatment like IRT. 8

 Other off label options include Topiramate, Gabapentin, Cyproheptadine, and TCA's but none have FDA indication nor are they considered level A treatment by AASM criteria

(Yücel, et al., 2019; Raskind, et al., 2018)



Considerations for implementation: IRT

- · Adopt a flexible approach based on patient's needs
- · Conceptualize as two components
 - · Nightmares are a learned sleep disorder
 - · Nightmares are associated with damaged imagery system
- Four sessions total, approx. 8-9 hours of therapy
 - · First two sessions-improve insight into recognizing nightmares as learned insomnia
 - Final two sessions-teach concepts of IRT, recognizing connection between daytime thoughts and nightmares
 - Don't discount patients' perception of triggering events that they believe are the root cause of nightmares

(Krakow, et al., 2000)

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Prevalence rates: Sleep disorders among LGBTQ population

- In a large cross-sectional analysis of psychiatric diagnoses in clinical care settings, approximately 58% of transgender patients have at least one DSM-5 diagnoses compared with 13.6% of cisgender patients with Major Depression and Generalized anxiety being the most common diagnoses.
- Disparities in sleep problems between LGBTQ and general population are well documented
 - Shorter sleep duration (<5 hours sleep compared with heterosexual population)
 - Snoring
- Increased sleep latency (32% higher prevalence of trouble falling asleep)
- Poorer overall sleep quality (22% higher prevalence of waking up feeling unrested)

(Wanta, et al., 2019; Chum, et al., 2021)

Prevalence rates of sleep disorders among LGBTQ population

- Possible determinants:
 - Rejection by family of origin leading to increased overall anxiety
 - · Higher rates of discrimination
 - Higher rates of violence (leading to higher prevalence of PTSD and PTSD associated nightmares)
- Improved social support in childhood among transgender persons may be a critical point of intervention for the prevention of significant mental illness in adulthood

(Wanta, et al., 2019)



	Treatment	Recommendation	Direction and Strength of Recommendation	Quality of Evidence	Bonafits and Harms Assessment	Patients' Values and Preferences Assessment
urront quidalinas	Orexin receptor agonists					
Current guivennes American Academy of Sleep Medicine	Surgement This recommendation is based on trials of 10, 15/20, and 20 mg doses of surgement.	We suggest that clinicians use suscessant as a treatment for sleep maintenance insomnia (versus no treatment) in adults.	WEAK	Low	Benefits outweigh harms	The majority of patients would use this treatment (over no treatment), but many would not.
	B2D receptor agonists					
	Eszopicione This recommendation is based on trials of 2 mg and 3 mg doses of eszopicione.	We suggest that clinicans use escopicione as a treatment for sleep onset and sleep maintenance insomnia (versus no treatment) in adults.	WEAK	Very low	Benefits outweigh harrs	The majority of patients would use this treatment (over no treatment), but many would not.
	Zalepton This recommendation is based on trials of 10 mg doses of zalepton.	We suggest that clinicians use zaleption as a breatment for sleep onset insomnia (versus no breatment) in adults.	WEAK	Low	Benefits outweigh harms	The majority of patients would use this breatment (over no treatment), but many would not.
	Zolpidem This recommendation is based on trials of 10 mg doses of zolpidem.	We suggest that clinicians use zolpidom as a treatment for sloep onset and sloep maintenance incomnia (versus no treatment) in adults.	WEAK	Verylow	Benefits outweigh harms	The majority of patients would use this treatment (over no treatment), but many would not.
	Benzodazapines					
	Triazolam This recommendation is based on trials of 0.25 mg doese of triazolam.	We suggest that clinicians use triazolam as a beatment for silve onset insomnia (versus no treatment) in adults.	WEAK	High	Benefits approx equal to harms	The majority of potents would use this treatment (over no treatment), but many would not.
	Tenapepan This recommendation is based on trials of 15 mg doses of temapepan.	We suggest that clinicians use temazepern as a treatment for sizep onest and sizep maintenance insomnia (versus no treatment) in adults.	WEAK	Moderate	Benefits outweigh harms	The majority of patients would use this treatment (over no treatment), but many would not.
	Matatorin appriate					
	Ramellacon This recommendation is based on trials of 8 mg doses of samellacon.	We suggest that clinicians use ramelleon as a buildment for sleep onset insomnia (versus no breatment) in adults.	WEAK	Very low	Exercitia outweigh harris	The majority of patients would use this treatment (over no treatment), but many would not.
	Heteropytics					
	Doxepin This recommendation is based on trials of 3 mg and 6 mg doses of doxepin.	We suggest that clinicians use doxepin as a beatment for sleep maintenance insomnia (venus no treatment) in adults.	WEAK	Low	Benefits outweigh harms	The majority of patients would use this treatment (over no treatment), but many would not.
	Tracodore This recommendation is based on trials of 50 mg doses of tracodore.	We suggest that clinicians not use tracodone as a treatment for sleep onset or sleep maintenance insomnia (versus no treatment) in adults.	WEAK	Moderate	Harms outweigh bonefits	The majority of patients would use this treatment (over no treatment), but many would not.
	Aeticonvalents					
	Tisgablee This recommendation is based on trials of 4 mg doses of flagsbine.	We suggest that clinicians not use fagabine as a treatment for sleep onset or sleep-maintenance insominia (versus no treatment) in adults.	WEAK	Very low	Harms outweigh bonefits	The majority of patients would not use this treatment (over no treatment), but many would.
	Over-the-counter preparations					
	Diphenhydramine This recommendation is based on trials of 50 mg doses of diphenhydramine.	We suggest that clinicians not use dipherhydramine as a breatment for sleep onset and sleep maintenance insomnia (versus no treatment) in adults.	WEAK	Low	Benefits approx equal to harms	The majority of patients would not use this beatment (over no beatment), but many would.
	Metatoein This recommendation is based on trials of 2 mg doses of melatonin.	We suggest that clinicians not use melatonin as a boutment for sleep onsat or sleep maintenance insomnia (versus no treatment) in adults.	WEAK	Very low	Benefits approx equal to herms	The majority of patients would use this treatment (over no treatment), but many would not.
	L-tryptophan This recommendation is based on trials of 250 mg doses of tryptophan.	We suggest that clinicians not use tryptophan as a beatment for sleep onset or sleep maintenance insomma (versus no beatment) in adults.	WEAK	High	Harma outweigh benefits	The majority of patients would use this treatment (over no treatment), but many would not.
	Valerian This recommendation is based on trials of variable dosages of valerian and valerian-hops combination.	We suggest that clinicians not use valerian as a bradment for sleep onset or sleep-maintenance insomnia (versus no treatment) in adults.	WEAK	Low	Benefits approx equal to herme	The majority of patients would not use this beatment (over no beatment), but many would.





Other factors:

- · Had 2 children who lived with her 50% of the time
- · Had ill parents that she took care of

Treatment progress:

- 1) Prolonged Exposure to address trauma
- · 2) CBT-I to address sleep
- · Tracked her sleep well
- Treatment interfering factors that we addressed:
 - · If her partner came over, sleep schedule skewed
 - Her children liked to sleep in her bed
 - Noise from outside her apartment
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Where to get additional information...

Books:

Cognitive Behavioral Treatment of Insomnia (Perlis et al., 2008)

Trainings:

- · Penn State training in CBT-I (https://www.med.upenn.edu/cbti/)
- Psychwire
- PESI
- Introduction to Imagery Rehearsal Therapy Barry Krakow M.D. https://barrykrakowmd.com/product/introduction-to-imagery-rehearsal-therapy/)

Measures:

- Nightmare Frequency Questionnaire, Nightmare Distress Questionnaire, and the Mannheim Dream Questionnaire are available at APA PsychNet Direct website (Psychnet.apa.org)
- Clinician Administered PTSD scale (CAPS-5) available at ptsd.va.gov

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