

# Anxiolytics & Sleep Aids: Advanced Clinical Reference



## Comparative Pharmacology and Clinical Applications

This comprehensive reference provides detailed comparisons between anxiolytics and sleep aids for psychiatric prescribers, with evidence-based clinical pearls and monitoring recommendations.



### Mechanism of Action and Receptor Pharmacology

CLASS	PRIMARY MECHANISM	RECEPTOR SPECIFICITY	CLINICAL IMPLICATIONS
● Benzodiazepines (Bounds & Nelson, 2024)	GABA-A positive allosteric modulator	Variable $\alpha$ -subunit selectivity: <ul style="list-style-type: none"> <li><math>\alpha 1</math>: sedation, amnesia</li> <li><math>\alpha 2/\alpha 3</math>: anxiolysis</li> <li><math>\alpha 5</math>: cognitive effects</li> </ul>	<ul style="list-style-type: none"> <li>Rapid onset of action</li> <li>Cross-tolerance with alcohol</li> <li>Dependence/withdrawal risk</li> </ul>
● Z-drugs (Ganja, 2013)	GABA-A positive allosteric modulator	Preferential $\alpha 1$ -subunit selectivity	<ul style="list-style-type: none"> <li>Less myorelaxation than BZDs</li> <li>Theoretically less cognitive impact</li> <li>Still carries dependence risk</li> </ul>
● Buspirone (Wilson & Tripp, 2023)	5-HT <sub>1a</sub> partial agonist	High affinity for 5-HT <sub>1a</sub> receptors	<ul style="list-style-type: none"> <li>Delayed onset (2-4 weeks)</li> <li>No dependence potential</li> <li>No cross-tolerance with BZDs</li> </ul>
● Hydroxyzine (Entringer, 2022)	H <sub>1</sub> antagonist	<ul style="list-style-type: none"> <li>H<sub>1</sub> receptors</li> <li>Mild anticholinergic</li> <li>Mild 5-HT<sub>2a</sub> antagonism</li> </ul>	<ul style="list-style-type: none"> <li>Rapid onset</li> <li>No dependence potential</li> <li>Sedation may diminish over time</li> </ul>



Pregabalin (Pope, 2023)

channel modulator

Binds to  $\alpha 2\delta$  subunit of

• Anxiolytic and voltage-gated calcium channels

analgesic effects  
 • Lower abuse potential than BZDs

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CLASS	PRIMARY MECHANISM	RECEPTOR SPECIFICITY	CLINICAL IMPLICATIONS
			<ul style="list-style-type: none"> <li>• Effective for somatic anxiety</li> </ul>
● Gabapentin (Yasaei et al., 2024)	α <sub>2</sub> δ calcium channel modulator	Binds to α <sub>2</sub> δ subunit of voltage-gated calcium channels	<ul style="list-style-type: none"> <li>• Similar to pregabalin but less potent</li> <li>• Variable absorption • Effective for somatic anxiety</li> </ul>
● Melatonin Receptor Agonists (Spadoni et al., 2010)	Melatonin receptor agonism	<ul style="list-style-type: none"> <li>• MT<sub>1</sub> receptor: sleep onset</li> <li>• MT<sub>2</sub> receptor: circadian phase</li> </ul>	<ul style="list-style-type: none"> <li>• Minimal next-day effects</li> <li>• No dependence potential</li> <li>• Minimal drug interactions</li> </ul>
● Orexin Receptor Antagonists (Cecilio Álamo et al., 2024)	Orexin receptor antagonism	<ul style="list-style-type: none"> <li>• OX<sub>1</sub> and OX<sub>2</sub> receptors</li> <li>• Blocks wake-promoting signals</li> </ul>	<ul style="list-style-type: none"> <li>• Novel mechanism of action</li> <li>• No dependence potential</li> <li>• Minimal impact on sleep architecture</li> </ul>

## Comparative Efficacy for Anxiety Disorders

MEDICATION	GAD	PANIC DISORDER	SOCIAL ANXIETY	PTSD	SPECIFIC PHOBIA
● Diazepam (Dhaliwal et al., 2023)	<span style="color: #f08080;">★★★★★</span> <ul style="list-style-type: none"> <li>• Rapid onset</li> <li>• Short-term use only</li> <li>• Tolerance develops</li> </ul>	<span style="color: #f08080;">★★★★★</span> <ul style="list-style-type: none"> <li>• Effective for acute attacks</li> <li>• Not ideal for prevention</li> <li>• High-potency BZDs preferred</li> </ul>	<span style="color: #f08080;">★★★★★</span> <ul style="list-style-type: none"> <li>• Effective for performance anxiety</li> <li>• Not first-line for generalized type</li> <li>• PRN use can be appropriate</li> </ul>	<span style="color: #f08080;">★★★★★</span> <ul style="list-style-type: none"> <li>• May help with hyperarousal</li> <li>• Can worsen emotional processing</li> <li>• Not recommended as monotherapy</li> </ul>	<span style="color: #f08080;">★★★★★</span> <ul style="list-style-type: none"> <li>• Effective for situational use</li> <li>• Useful for exposure therapy</li> <li>• PRN for specific situations</li> </ul>

● Clonazepam	★★★★★ • Longer duration than diazepam • Less interdose anxiety • Still for short-term use	★★★★★ • First-line among BZDs • Longer half-life beneficial • Less rebound anxiety	★★★★★ • Effective for both types • Less sedation than alprazolam • Still not first line	★★★★★ • Similar limitations to diazepam • May help with sleep • Not recommended as monotherapy	★★★★★ • Longer duration may be less ideal • Less "as needed" flexibility • Effective when used
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MEDICATION	GAD	PANIC DISORDER	SOCIAL ANXIETY	PTSD	SPECIFIC PHOBIA
● Alprazolam	★★★★★ • Rapid onset • Short half life problematic • High dependence risk	★★★★★ • Extensively studied • Effective for acute attacks • Interdose anxiety common	★★★★★ • Effective for performance anxiety • Short duration beneficial for PRN • High dependence risk	★★★★★ • Not recommended • Rebound anxiety problematic • May worsen trauma processing	★★★★★ • Short duration good for PRN • Rapid onset beneficial • High potency effective
● Buspirone (Wilson & Tripp, 2023)	★★★★★ • Delayed onset (2-4 weeks) • No dependence potential • Less effective than SSRIs	★★★★★ • Not effective • No benefit for acute attacks • Not recommended	★★★★★ • Limited efficacy • Delayed onset problematic • Not first-line	★★★★★ • Not effective • No significant benefit shown • Not recommended	★★★★★ • Not effective • Delayed onset impractical • Not recommended
● Hydroxyzine (Entringer, 2022)	★★★★★ • Moderate efficacy • No dependence potential • Sedation may limit use	★★★★★ • Limited efficacy • May help with acute symptoms • Not first-line	★★★★★ • Limited efficacy • May help with somatic symptoms • Not first-line	★★★★★ • May help with insomnia • Limited efficacy for core symptoms • Adjunctive role only	★★★★★ • May help with anticipatory anxiety • Sedation can be beneficial • Limited evidence

<input type="checkbox"/> Pregabalin	★★★★★ • Effective • Rapid onset (days vs weeks) • Approved in Europe for GAD	★★★★★ • Limited evidence • May help with somatic symptoms • Not first-line	★★★★★ • Effective • Helps with somatic symptoms • Less studied than SSRIs	★★★★★ • Limited evidence • May help with hyperarousal • Not first-line	★★★★★ • Not studied • Not recommended • Other options preferred
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## Comparative Efficacy for Insomnia

MEDICATION	SLEEP ONSET	SLEEP MAINTENANCE	NEXT-DAY EFFECTS	LONG-TERM EFFICACY
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<input type="checkbox"/> Temazepam	★★★★★ • Effective  • Intermediate	★★★★★ • Effective  • Intermediate half-life	★★★★★ • Moderate risk  • Efficacy wanes over	★★★★★ • Tolerance develops
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MEDICATION	SLEEP ONSET	SLEEP MAINTENANCE	NEXT-DAY EFFECTS	LONG-TERM EFFICACY
<input type="checkbox"/> Clonazepam	onset (20-30 min) • Intermediate half-life	life beneficial • Less early morning awakening	• Dose-dependent • Worse in elderly	time • Not recommended beyond 2-4 weeks
<input type="checkbox"/> Triazolam	★★★★★ • Very effective • Rapid onset (15-30 min) • Ultra-short half life	★★★★★ • Limited efficacy • Early morning awakening common • Rebound insomnia risk	★★★★★ • Less than longer acting BZDs • Anterograde amnesia risk • Rebound anxiety possible	★★★★★ • Tolerance develops rapidly • Rebound insomnia common • High dependence potential

<input type="checkbox"/> Zolpidem <b>(Gunta, 2013)</b>	★★★★★ <ul style="list-style-type: none"><li>• Very effective</li><li>• Rapid onset (15-30 min)</li><li>• Selective for sleep induction</li></ul>	★★★★★ <ul style="list-style-type: none"><li>• Limited efficacy</li><li>• Early morning awakening common</li><li>• Extended release improves</li></ul>	★★★★★ <ul style="list-style-type: none"><li>• Less than BZDs</li><li>• Dose-dependent</li><li>• Complex sleep behaviors possible</li></ul>	★★★★★ <ul style="list-style-type: none"><li>• Tolerance develops</li><li>• Less than BZDs</li><li>• Still not recommended beyond 4 weeks</li></ul>
<input type="checkbox"/> Eszopiclone	★★★★★ <ul style="list-style-type: none"><li>• Effective</li><li>• Rapid onset (15-30 min)</li><li>• Longer half-life than zolpidem</li></ul>	★★★★★ <ul style="list-style-type: none"><li>• Better than zolpidem</li><li>• Longer half-life beneficial</li><li>• Less early morning awakening</li></ul>	★★★★★ <ul style="list-style-type: none"><li>• Metallic taste most common</li><li>• Dose-dependent sedation</li><li>• Less than longer acting BZDs</li></ul>	★★★★★ <ul style="list-style-type: none"><li>• Studied for up to 6 months</li><li>• Less tolerance than BZDs</li><li>• Still develops over time</li></ul>
<input type="checkbox"/> Ramelteon	★★★★★ <ul style="list-style-type: none"><li>• Moderate efficacy</li><li>• Slower onset (30-45 min)</li><li>• Minimal side effects</li></ul>	★★★★★ <ul style="list-style-type: none"><li>• Not effective</li><li>• No impact on WASO</li><li>• Not recommended</li></ul>	★★★★★ <ul style="list-style-type: none"><li>• Minimal next-day effects</li><li>• No psychomotor impairment</li><li>• No cognitive effects</li></ul>	★★★★★ <ul style="list-style-type: none"><li>• Maintains efficacy</li><li>• No tolerance development</li><li>• Limited overall efficacy</li></ul>
<input type="checkbox"/> Suvorexant <b>(Cecilio, Álamo et al., 2024)</b>	★★★★★ <ul style="list-style-type: none"><li>• Moderate efficacy</li><li>• Slower onset (30-45 min)</li><li>• Dose dependent effects</li></ul>	★★★★★ <ul style="list-style-type: none"><li>• Effective</li><li>• Reduces WASO</li><li>• Maintains efficacy</li></ul>	★★★★★ <ul style="list-style-type: none"><li>• Dose-dependent somnolence</li><li>• Less than BZDs</li><li>• Minimal cognitive effects</li></ul>	★★★★★ <ul style="list-style-type: none"><li>• Maintains efficacy</li><li>• No significant tolerance</li><li>• Studied for up to 1 year</li></ul>

<input type="checkbox"/> Doxepin (low-dose) <b>★★★★★</b> <ul style="list-style-type: none"><li>• Limited efficacy</li><li>• Slower onset (30-45 min)</li></ul>	<ul style="list-style-type: none"><li>• Very effective</li><li>• Reduces WASO</li><li>• Reduces early morning awakening</li></ul>	<b>★★★★★</b> <ul style="list-style-type: none"><li>• Minimal at low doses (3-6mg)</li><li>• Less anticholinergic than at antidepressant doses</li></ul>	No significant tolerance
<b>★★★★★</b>	4	<b>★★★★★</b> <ul style="list-style-type: none"><li>• Maintains efficacy</li></ul>	

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MEDICATION	SLEEP ONSET	SLEEP MAINTENANCE	NEXT-DAY EFFECTS	LONG-TERM EFFICACY
	<ul style="list-style-type: none"><li>• Not primary indication</li></ul>		<ul style="list-style-type: none"><li>• Minimal cognitive effects</li></ul>	<ul style="list-style-type: none"><li>• Studied for up to 12 weeks</li></ul>

<input type="checkbox"/> Trazodone	★★★★☆ • Moderate efficacy • Intermediate onset (30-60 min) • Sedation primary effect	★★★★☆ • Moderate efficacy • May reduce awakenings • Variable response	★★★★☆ • Residual sedation common • Orthostatic hypotension risk • Cognitive effects possible	★★★★☆ • Maintains efficacy • No significant tolerance • Limited long-term data
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## Pharmacokinetics and Dosing Considerations

MEDICATION	HALF-LIFE	ONSET/ DURATION	METABOLISM	DOSING PEARLS
<input type="checkbox"/> Diazepam <b>(Dhaliwal et al., 2023)</b>	• 20-80 hours • Active metabolites: 50-100 hours • Significant accumulation	• Onset: 15-30 min • Duration: 6-24 hours • Longer with repeated dosing	• CYP3A4, CYP2C19 • Active metabolites: nordazepam, oxazepam, temazepam • Significant drug interactions	• Start: 2-5mg BID/ TID • Elderly: 2mg daily BID • Reduce dose in hepatic impairment • Longer interval in elderly
<input type="checkbox"/> Clonazepam	• 30-40 hours • No active metabolites • Less accumulation than diazepam	• Onset: 30-60 min • Duration: 8-12 hours • Less interdose anxiety	• CYP3A4 • Nitro-reduction • Fewer drug interactions than diazepam	• Start: 0.25-0.5mg BID • Elderly: 0.125-0.25mg daily BID • Gradual titration reduces sedation • BID dosing preferred
<input type="checkbox"/> Alprazolam	• 11-16 hours • Minor active metabolites • Minimal accumulation	• Onset: 15-30 min • Duration: 4-6 hours • Interdose anxiety common	• CYP3A4 • Significant drug interactions • Grapefruit juice increases levels	• Start: 0.25-0.5mg TID • Elderly: 0.125-0.25mg BID • TID-QID dosing often needed • XR formulation reduces interdose anxiety

• 2-3 hours

• Onset: 2-4

• CYP3A4

• Start: 5mg BID-TID

• Active metabolite: 1-

weeks

- Significant first-pass

• Target: 15-30mg

Buspirone (Wilson &amp; Tripp, 2023)

- Duration: 4-6

metabolism

daily in divided

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MEDICATION	HALF-LIFE	ONSET/ DURATION	METABOLISM	DOSING PEARLS
	pyrimidinylpiperazine • No accumulation	hours per dose • Requires consistent dosing	• Food increases absorption	doses <ul style="list-style-type: none"> <li>• TID dosing preferred</li> <li>• Take consistently with/without food</li> </ul>
<input type="checkbox"/> Hydroxyzine (Entringer, 2022)	<ul style="list-style-type: none"> <li>• 20-25 hours</li> <li>• Active metabolite: cetirizine</li> <li>• Moderate accumulation</li> </ul>	<ul style="list-style-type: none"> <li>• Onset: 15-30 min</li> <li>• Duration: 6-8 hours</li> <li>• Sedation may diminish over time</li> </ul>	<ul style="list-style-type: none"> <li>• CYP2D6</li> <li>• Minimal drug interactions</li> <li>• Renal elimination of metabolites</li> </ul>	<ul style="list-style-type: none"> <li>• Anxiety: 25-50mg TID-QID</li> <li>• Insomnia: 25-100mg at bedtime</li> <li>• Elderly: reduce dose by 50%</li> <li>• Anticholinergic burden in elderly</li> </ul>
<input type="checkbox"/> Pregabalin (Pope, 2023)	<ul style="list-style-type: none"> <li>• 6-7 hours</li> <li>• No active metabolites</li> <li>• Minimal accumulation</li> </ul>	<ul style="list-style-type: none"> <li>• Onset: 1-2 days</li> <li>• Duration: 8-12 hours per dose</li> <li>• Requires BID TID dosing</li> </ul>	<ul style="list-style-type: none"> <li>• Not metabolized by CYP enzymes</li> <li>• Renal elimination (unchanged)</li> <li>• Minimal drug interactions</li> </ul>	<ul style="list-style-type: none"> <li>• Start: 75mg BID • Target: 300-600mg daily in divided doses</li> <li>• Reduce dose in renal impairment • Take with/without food consistently</li> </ul>
<input type="checkbox"/> Gabapentin (Yasaei et al., 2024)	<ul style="list-style-type: none"> <li>• 5-7 hours</li> <li>• No active metabolites</li> <li>• Minimal accumulation</li> </ul>	<ul style="list-style-type: none"> <li>• Onset: 1-2 days</li> <li>• Duration: 6-8 hours per dose</li> <li>• Requires TID dosing</li> </ul>	<ul style="list-style-type: none"> <li>• Not metabolized by CYP enzymes</li> <li>• Renal elimination (unchanged)</li> <li>• Saturable absorption</li> </ul>	<ul style="list-style-type: none"> <li>• Start: 300mg at bedtime</li> <li>• Titrate: add 300mg every 1-3 days</li> <li>• Target: 900-3600mg daily in divided doses</li> <li>• Take with food to increase absorption</li> </ul>

<input type="checkbox"/>	Ramelteon	<ul style="list-style-type: none"> <li>• 1-2.6 hours</li> <li>• Active metabolite: M-II (2-5 hours)</li> <li>• No accumulation</li> </ul>	<ul style="list-style-type: none"> <li>• Onset: 30-45 min</li> <li>• Duration: 6-8 hours</li> <li>• Take 30 min before bedtime</li> </ul>	<ul style="list-style-type: none"> <li>• CYP1A2</li> <li>• Significant first-pass metabolism</li> <li>• Fluvoxamine contraindicated</li> </ul>	<ul style="list-style-type: none"> <li>• Fixed dose: 8mg at bedtime</li> <li>• No dose adjustment needed in elderly</li> <li>• Take 30 min before bedtime</li> <li>• Avoid high-fat meals before dosing</li> </ul>
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<input type="checkbox"/>	<ul style="list-style-type: none"> <li>• 12 hours</li> <li>• Onset: 30-45 min</li> <li>• CYP3A4 (major)</li> <li>• Start: 10mg at bedtime</li> </ul>
<input type="checkbox"/>	<ul style="list-style-type: none"> <li>• No significant active metabolites</li> <li>• Duration: 8 hours</li> <li>• CYP2C19 (minor)</li> <li>• Maximum: 20mg</li> </ul>

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MEDICATION	HALF-LIFE	ONSET/ DURATION	METABOLISM	DOSING PEARLS
	<ul style="list-style-type: none"> <li>metabolites</li> <li>• Moderate accumulation</li> </ul>	<ul style="list-style-type: none"> <li>hours</li> <li>• Take 30 min before bedtime</li> </ul>	<ul style="list-style-type: none"> <li>• Significant drug interactions</li> </ul>	<ul style="list-style-type: none"> <li>at bedtime</li> <li>• Elderly: 5-10mg at bedtime</li> <li>• Take 30 min before bedtime</li> </ul>



## Adverse Effects and Management Strategies

MEDICATION	COMMON ADVERSE EFFECTS	SERIOUS ADVERSE EFFECTS	MANAGEME NT STRATEGIES	CONTRAINDI CATIONS
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<input type="checkbox"/> Benzodiazepines (Bounds & Nelson, 2024)	<ul style="list-style-type: none"> <li>• Sedation/somnolence</li> <li>• Cognitive impairment</li> <li>• Ataxia/dizziness</li> <li>• Anterograde amnesia</li> <li>• Muscle relaxation</li> </ul>	<ul style="list-style-type: none"> <li>• Respiratory depression</li> <li>• Paradoxical reactions</li> <li>• Physical dependence</li> <li>• Withdrawal seizures</li> <li>• Falls/fractures in elderly</li> </ul>	<ul style="list-style-type: none"> <li>• Use lowest effective dose</li> <li>• Limit duration (2-4 weeks ideally)</li> <li>• Gradual tapering (10-25% every 1-2 weeks)</li> <li>• Cognitive behavioral therapy for insomnia</li> <li>• Avoid alcohol and other CNS depressants</li> </ul>	<ul style="list-style-type: none"> <li>• Sleep apnea</li> <li>• Severe respiratory insufficiency</li> <li>• Myasthenia gravis</li> <li>• Acute narrow-angle glaucoma</li> <li>• Pregnancy/breastfeeding (relative)</li> </ul>
<input type="checkbox"/> Z-drugs (Gunja, 2013)	<ul style="list-style-type: none"> <li>• Sedation/somnolence</li> <li>• Dizziness</li> <li>• Headache</li> <li>• Metallic taste (eszopiclone)</li> <li>• GI disturbances</li> </ul>	<ul style="list-style-type: none"> <li>• Complex sleep behaviors</li> <li>• Physical dependence</li> <li>• Withdrawal insomnia</li> <li>• Falls/fractures in elderly</li> <li>• Rare anaphylaxis</li> </ul>	<ul style="list-style-type: none"> <li>• Use lowest effective dose</li> <li>• Limit duration (2-4 weeks ideally)</li> <li>• Take immediately before bedtime</li> <li>• Ensure 8 hours available for sleep</li> <li>• Avoid alcohol and other CNS depressants</li> </ul>	<ul style="list-style-type: none"> <li>• Sleep apnea</li> <li>• Severe hepatic impairment</li> <li>• History of complex sleep behaviors</li> <li>• Pregnancy/breastfeeding</li> <li>• Alcohol consumption</li> </ul>

Buspirone

- Dizziness
- Headache
- Nausea
- Nervousness
- Lightheadedness
- Serotonin syndrome (with SSRIs/SNRIs)
- Rare movement disorders
- Rare elevation of 7
- Divided dosing reduces side effects
- Take with food consistently
- Allow 2-4 weeks
- MAOIs within 14 days
- Severe hepatic or renal impairment
- Hypersensitivity
- Caution with CYP3A4 inhibitors

MEDICATION	COMMON ADVERSE EFFECTS	SERIOUS ADVERSE EFFECTS	MANAGEMENT STRATEGIES	CONTRAINDICATIONS
		<p>blood pressure</p> <ul style="list-style-type: none"> <li>• Rare chest pain</li> </ul>	<p>for full effect</p> <ul style="list-style-type: none"> <li>• Avoid abrupt discontinuation</li> <li>• Monitor for serotonin syndrome with SSRIs</li> </ul>	
<input type="checkbox"/> Hydroxyzine <span style="background-color: yellow;">(Entringer, 2022)</span>	<ul style="list-style-type: none"> <li>• Sedation/somnolence</li> <li>• Dry mouth</li> <li>• Blurred vision</li> <li>• Constipation</li> <li>• Urinary retention</li> </ul>	<ul style="list-style-type: none"> <li>• QT prolongation</li> <li>• Anticholinergic toxicity in elderly</li> <li>• Rare blood dyscrasias</li> <li>• Rare hypersensitivity reactions</li> </ul>	<ul style="list-style-type: none"> <li>• Divided dosing reduces side effects</li> <li>• Anticholinergic management (hydration, etc.)</li> <li>• Avoid in elderly when possible</li> <li>• Monitor ECG with high doses or risk factors</li> <li>• Tolerance to sedation may develop</li> </ul>	<ul style="list-style-type: none"> <li>• QT prolongation</li> <li>• History of torsades de pointes</li> <li>• Hypokalemia/hypomagnesemia</li> <li>• Concurrent QT prolonging drugs</li> <li>• Elderly with significant comorbidities</li> </ul>
<input type="checkbox"/> Pregabalin <span style="background-color: yellow;">(Pope, 2023)</span>	<ul style="list-style-type: none"> <li>• Dizziness</li> <li>• Somnolence</li> <li>• Peripheral edema</li> <li>• Weight gain</li> <li>• Blurred vision</li> </ul>	<ul style="list-style-type: none"> <li>• Angioedema</li> <li>• Hypersensitivity reactions</li> <li>• Suicidal ideation (rare)</li> <li>• Physical dependence</li> <li>• Withdrawal symptoms</li> </ul>	<ul style="list-style-type: none"> <li>• Gradual titration reduces side effects</li> <li>• Divided dosing reduces side effects</li> <li>• Monitor weight and edema</li> <li>• Gradual discontinuation (over 1+ week)</li> <li>• Monitor mood changes</li> </ul>	<ul style="list-style-type: none"> <li>• Hypersensitivity</li> <li>• Significant renal impairment without dose adjustment</li> <li>• History of substance abuse (relative)</li> <li>• Caution in heart failure (edema)</li> </ul>

<ul style="list-style-type: none"> <li>• Dizziness</li> <li>• Somnolence</li> <li>• Ataxia</li> <li>• Fatigue</li> <li>• Peripheral edema</li> <li>• Respiratory depression (with opioids)</li> <li>• Suicidal ideation (rare)</li> <li>• Physical dependence</li> <li>• Withdrawal</li> </ul>	<p>symptoms</p> <ul style="list-style-type: none"> <li>• DRESS syndrome (rare)</li> </ul> <p>8</p> <ul style="list-style-type: none"> <li>• Gradual titration reduces side effects</li> </ul>	<p>effects</p> <ul style="list-style-type: none"> <li>• Take with food to increase absorption</li> <li>• Divided dosing reduces side effects</li> <li>• Gradual discontinuation</li> </ul> <p>• Hypersensitivity</p> <p>• Significant renal impairment without dose adjustment</p>	<ul style="list-style-type: none"> <li>• History of substance abuse (relative)</li> <li>• Caution in elderly (falls risk)</li> </ul>
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MEDICATION	COMMON ADVERSE EFFECTS	SERIOUS ADVERSE EFFECTS	MANAGEMENT STRATEGIES	CONTRAINdications
			<p>(over 1+ week)</p> <ul style="list-style-type: none"> <li>• Monitor respiratory status with opioids</li> </ul>	
<input type="checkbox"/> Ramelteon	<ul style="list-style-type: none"> <li>• Dizziness</li> <li>• Somnolence</li> <li>• Fatigue</li> <li>• Nausea</li> <li>• Exacerbated insomnia</li> </ul>	<ul style="list-style-type: none"> <li>• Angioedema</li> <li>• Hypersensitivity reactions</li> <li>• Rare behavioral changes</li> <li>• Rare hormonal effects (↓ testosterone, ↑ prolactin)</li> </ul>	<ul style="list-style-type: none"> <li>• Take 30 minutes before bedtime</li> <li>• Avoid high-fat meals before dosing</li> <li>• Avoid activities after taking</li> <li>• No dose adjustment needed in elderly</li> <li>• No tapering needed for discontinuation</li> </ul>	<ul style="list-style-type: none"> <li>• Severe hepatic impairment</li> <li>• Concurrent fluvoxamine use</li> <li>• History of angioedema with ramelteon</li> <li>• Concurrent strong CYP1A2 inhibitors</li> </ul>
<input type="checkbox"/> Suvorexant <b>(Cecilio Álamo et al., 2024)</b>	<ul style="list-style-type: none"> <li>• Somnolence</li> <li>• Headache</li> <li>• Dizziness</li> <li>• Abnormal dreams</li> <li>• Dry mouth</li> </ul>	<ul style="list-style-type: none"> <li>• Complex sleep behaviors</li> <li>• Sleep paralysis</li> <li>• Hypnagogic/hypnopompic hallucinations</li> <li>• Suicidal ideation (rare)</li> <li>• Worsening depression</li> </ul>	<ul style="list-style-type: none"> <li>• Take 30 minutes before bedtime</li> <li>• Ensure 8 hours available for sleep</li> <li>• Avoid activities after taking</li> <li>• Lower dose in elderly</li> <li>• Avoid with strong CYP3A4</li> </ul>	<ul style="list-style-type: none"> <li>• Narcolepsy</li> <li>• Severe hepatic impairment</li> <li>• Concurrent strong CYP3A4 inhibitors</li> <li>• History of complex sleep behaviors</li> </ul>

			inhibitors	
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## Drug Interactions and Combination Strategies

MEDICATION	SIGNIFICANT INTERACTIONS	EFFECT ON OTHER DRUGS	COMBINATION STRATEGIES	SPECIAL POPULATIONS
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<p><input type="checkbox"/> Benzodiazepines <b>(Bounds &amp; Nelson, 2024)</b></p> <ul style="list-style-type: none"> <li>• CNS depressants: additive effects</li> <li>• CYP3A4 inhibitors: ↑ levels</li> </ul>	<ul style="list-style-type: none"> <li>• CYP3A4 inducers: ↓ levels</li> <li>• Opioids: respiratory depression</li> <li>• Alcohol: enhanced sedation</li> <li>• Minimal effect on other drugs</li> <li>• No significant</li> </ul>	<p>enzyme induction</p> <ul style="list-style-type: none"> <li>• No significant enzyme inhibition</li> <li>• Protein binding displacement possible</li> </ul> <p style="text-align: center;">9</p> <ul style="list-style-type: none"> <li>• With antidepressants:</li> </ul>	<p>monitor for sedation</p> <ul style="list-style-type: none"> <li>• With antipsychotics: monitor for sedation, falls</li> <li>• Avoid with opioids when possible</li> <li>• With Z-drugs: avoid combination</li> <li>• With</li> </ul>	<ul style="list-style-type: none"> <li>• Elderly: ↓ dose by 50%, prefer short acting</li> <li>• Hepatic impairment: ↓ dose, prefer oxazepam/ lorazepam</li> <li>• Pregnancy: potential teratogenicity,</li> </ul>
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MEDICATION	SIGNIFICANT INTERACTIONS	EFFECT ON OTHER DRUGS	COMBINATION STRATEGIES	SPECIAL POPULATIONS
			anticonvulsants: monitor for sedation	neonatal withdrawal <ul style="list-style-type: none"> <li>• Respiratory disorders: caution, monitor closely</li> </ul>
<p><input type="checkbox"/> Z-drugs <b>(Gunga, 2013)</b></p>	<ul style="list-style-type: none"> <li>• CNS depressants: additive effects</li> <li>• CYP3A4 inhibitors: ↑ levels (zolpidem, eszopiclone)</li> <li>• CYP3A4 inducers: ↓ levels</li> <li>• Food: delayed absorption (zolpidem)</li> <li>• Alcohol: enhanced sedation</li> </ul>	<ul style="list-style-type: none"> <li>• Minimal effect on other drugs</li> <li>• No significant enzyme induction</li> <li>• No significant enzyme inhibition</li> <li>• Less protein binding issues than BZDs</li> </ul>	<ul style="list-style-type: none"> <li>• With antidepressants: monitor for sedation</li> <li>• With antipsychotics: monitor for sedation, falls</li> <li>• Avoid with opioids when possible</li> <li>• With BZDs: avoid combination</li> <li>• Take on empty stomach for faster onset</li> </ul>	<ul style="list-style-type: none"> <li>• Elderly: ↓ dose by 50%</li> <li>• Women: lower doses (especially zolpidem)</li> <li>• Hepatic impairment: ↓ dose</li> <li>• Pregnancy: limited data, avoid if possible</li> <li>• Asian patients: lower metabolism, ↓ dose</li> </ul>

<input type="checkbox"/> Buspirone <span style="background-color: yellow; border: 1px solid black; padding: 2px;">(Wilson &amp; Tripp, 2023)</span>	<ul style="list-style-type: none"> <li>• MAOIs: hypertensive crisis</li> <li>• SSRIs/SNRIs: serotonin syndrome risk</li> <li>• CYP3A4 inhibitors: ↑ levels significantly</li> <li>• CYP3A4 inducers: ↓ levels significantly</li> <li>• Grapefruit juice: ↑ levels</li> </ul>	<ul style="list-style-type: none"> <li>• Minimal effect on other drugs</li> <li>• No significant enzyme induction</li> <li>• No significant enzyme inhibition</li> <li>• No sedative potentiation</li> </ul>	<ul style="list-style-type: none"> <li>• With SSRIs/SNRIs: effective combination, monitor for serotonin syndrome</li> <li>• With antipsychotics: generally safe combination</li> <li>• With BZDs: can be used during BZD taper</li> <li>• With anticonvulsants: monitor for efficacy if enzyme inducers</li> </ul>	<ul style="list-style-type: none"> <li>• Elderly: standard dosing</li> <li>• Hepatic impairment: ↓ dose</li> <li>• Renal impairment: ↓ dose</li> <li>• Pregnancy: limited data, risk/ benefit assessment</li> <li>• Children: limited data on efficacy</li> </ul>
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<input type="checkbox"/> Hydroxyzine <span style="background-color: yellow; border: 1px solid black; padding: 2px;">(Entringer, 2022)</span>	<ul style="list-style-type: none"> <li>• CNS depressants: additive effects</li> <li>• QT-prolonging drugs: additive QT prolongation</li> <li>• Anticholinergics:</li> </ul>	<ul style="list-style-type: none"> <li>additive anticholinergic effects</li> <li>• Alcohol: enhanced sedation</li> <li>• Minimal effect on other drugs</li> <li>• No significant enzyme induction</li> <li>• No significant</li> </ul>	<ul style="list-style-type: none"> <li>enzyme inhibition</li> <li>• Additive anticholinergic effects</li> <li>10</li> <li>• With antidepressants: monitor for</li> </ul>	<ul style="list-style-type: none"> <li>anticholinergic effects</li> <li>• With antipsychotics: Hepatic monitor QT, anticholinergic effects</li> <li>• With BZDs: generally avoid due to additive sedation</li> <li>• Elderly: avoid or ↓</li> </ul>	<ul style="list-style-type: none"> <li>dose, anticholinergic risk</li> <li>•</li> <li>• With antipsychotics: Hepatic impairment: ↓ dose</li> <li>• Cardiac disorders: monitor QT interval</li> <li>• Pregnancy: limited data, generally considered safe</li> </ul>
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MEDICATION	SIGNIFICANT INTERACTIONS	EFFECT ON OTHER DRUGS	COMBINATION STRATEGIES	SPECIAL POPULATIONS
			<ul style="list-style-type: none"> <li>• With antihistamines: avoid combination (additive effects)</li> </ul>	<ul style="list-style-type: none"> <li>• Children: established pediatric dosing</li> </ul>

<input type="checkbox"/> Pregabalin (Pope, 2023)	<ul style="list-style-type: none"> <li>• CNS depressants: additive effects</li> <li>• Thiazolidinediones: additive edema risk</li> <li>• Alcohol: enhanced sedation</li> <li>• Opioids: respiratory depression risk</li> <li>• ACEIs: increased angioedema risk</li> </ul>	<ul style="list-style-type: none"> <li>• No significant CYP interactions</li> <li>• No enzyme induction</li> <li>• No enzyme inhibition</li> <li>• No protein binding issues</li> </ul>	<ul style="list-style-type: none"> <li>• With antidepressants: generally safe combination</li> <li>• With antipsychotics: monitor for sedation</li> <li>• With BZDs: monitor for excessive sedation</li> <li>• With opioids: monitor respiratory status</li> <li>• With anticonvulsants: often beneficial combinations</li> </ul>	<ul style="list-style-type: none"> <li>• Elderly: standard dosing, monitor for sedation</li> <li>• Renal impairment: dose adjustment required</li> <li>• Cardiac disorders: monitor for edema</li> <li>• Pregnancy: limited data, animal studies show toxicity</li> <li>• History of substance abuse: monitor closely</li> </ul>
<input type="checkbox"/> Gabapentin (Yasaei et al., 2024)	<ul style="list-style-type: none"> <li>• CNS depressants: additive effects</li> <li>• Antacids: ↓ absorption (space by 2h)</li> <li>• Opioids: respiratory depression risk</li> <li>• Alcohol: enhanced sedation</li> </ul>	<ul style="list-style-type: none"> <li>• No significant CYP interactions</li> <li>• No enzyme induction</li> <li>• No enzyme inhibition</li> <li>• No protein binding issues</li> </ul>	<ul style="list-style-type: none"> <li>• With antidepressants: generally safe combination</li> <li>• With antipsychotics: monitor for sedation</li> <li>• With BZDs: monitor for excessive sedation</li> <li>• With opioids: monitor respiratory status</li> <li>• With anticonvulsants: often beneficial combinations</li> </ul>	<ul style="list-style-type: none"> <li>• Elderly: start low, titrate slowly</li> <li>• Renal impairment: dose adjustment required</li> <li>• Dialysis patients: supplemental dose after dialysis</li> <li>• Pregnancy: registry data relatively reassuring</li> <li>• Children: established pediatric dosing for epilepsy</li> </ul>

<input type="checkbox"/> Ramelteon <ul style="list-style-type: none"> <li>• CYP1A2 inhibitors: ↑ levels significantly • Fluvoxamine: contraindicated</li> <li>• CYP2C9 inhibitors: moderate effect</li> </ul>	<ul style="list-style-type: none"> <li>CYP3A4 inhibitors: moderate effect</li> <li>Alcohol: additive effects</li> <li>• No significant effect on other drugs</li> <li>• No enzyme</li> </ul>	<ul style="list-style-type: none"> <li>induction</li> <li>• No enzyme inhibition</li> <li>• No hormonal contraceptive interactions</li> </ul>	<ul style="list-style-type: none"> <li>• With antidepressants: generally safe except fluvoxamine</li> <li>• With antipsychotics: generally safe</li> <li>• With BZDs: can be used during BZD taper</li> <li>• Elderly: no dose adjustment needed</li> <li>• Hepatic impairment: avoid in</li> </ul>
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severe  
impairment

• COPD: generally safe  
• Pregnancy:  
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limited data,

MEDICATION	SIGNIFICANT INTERACTIONS	EFFECT ON OTHER DRUGS	COMBINATION STRATEGIES	SPECIAL POPULATIONS
			• With melatonin: avoid combination (similar mechanism)	animal studies show no harm • Sleep apnea: generally safe
<input type="checkbox"/> Suvorexant (Cecilio Alamo et al., 2024)	• CYP3A4 inhibitors: ↑ levels significantly • CYP3A4 inducers: ↓ levels significantly • CNS depressants: additive effects • Alcohol: enhanced sedation	• No significant effect on other drugs • No enzyme induction • No enzyme inhibition • No hormonal contraceptive interactions	• With antidepressants: generally safe combination • With antipsychotics: monitor for excessive sedation • With BZDs: avoid combination • With alcohol: avoid combination	• Elderly: lower starting dose (5mg) • Hepatic impairment: avoid in severe impairment • Women: higher blood levels than men • Obesity: higher blood levels • Narcolepsy: contraindicated

## Neuropsychiatric Effects and Cognitive Impact

MEDICATION	COGNITIVE EFFECTS	NEUROPSYCHIATRIC EFFECTS	LONG-TERM CONSIDERATIONS	PATIENT SELECTION FACTORS
<input type="checkbox"/> Benzodiazepines	• Anterograde amnesia • Psychomotor slowing • Attention/concentration deficits • Word-finding difficulties • Impaired learning	• Paradoxical reactions (elderly, children) • Depression (long term use) • Disinhibition • Emotional blunting • Increased suicide risk in some studies	• Cognitive effects may persist after discontinuation • Tolerance to anxiolytic effects develops • Dependence risk increases with duration • Withdrawal can be protracted • Possible link to dementia (controversial)	• Better for acute, short-term anxiety • Avoid in cognitive impairment • Avoid in substance use disorders • Avoid in elderly when possible • Caution in depression

Z-drugs than BZDs  
• Less anterograde amnesia  
cognitive effects • Less next-day

Complex sleep behaviors  
• Hallucinations (rare)

• Parasomnia behaviors  
• Depression (less)

than BZDs)  
• Suicidal ideation (rare)

- Cognitive effects generally resolve with discontinuation
- Tolerance develops but possibly less than BZDs
- Dependence risk increases with
- Better for sleep
- onset insomnia • Avoid in substance use disorders
- Caution in elderly (falls risk) • Avoid with

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MEDICATION	COGNITIVE EFFECTS	NEUROPSYCHIATRIC EFFECTS	LONG-TERM CONSIDERATIONS	PATIENT SELECTION FACTORS
	<p>possible</p> <ul style="list-style-type: none"> <li>• Driving impairment next day</li> <li>• Memory consolidation effects</li> </ul>	<ul style="list-style-type: none"> <li>• Aggression/agitation (rare)</li> </ul>	<p>duration</p> <ul style="list-style-type: none"> <li>• Withdrawal similar to BZDs but possibly milder</li> <li>• Less evidence for dementia link</li> </ul>	<p>alcohol</p> <ul style="list-style-type: none"> <li>• Caution with respiratory disorders</li> </ul>
<input type="checkbox"/> Buspirone (Wilson & Tripp, 2023)	<ul style="list-style-type: none"> <li>• Minimal cognitive effects</li> <li>• No significant memory impairment</li> <li>• No psychomotor impairment</li> <li>• No attention deficits</li> <li>• No anterograde amnesia</li> </ul>	<ul style="list-style-type: none"> <li>• Dizziness</li> <li>• Headache</li> <li>• Nervousness/activation</li> <li>• No depression risk</li> <li>• No disinhibition</li> </ul>	<ul style="list-style-type: none"> <li>• No cognitive decline with long-term use</li> <li>• No tolerance to anxiolytic effects</li> <li>• No dependence potential</li> <li>• No withdrawal syndrome</li> <li>• No rebound anxiety</li> </ul>	<ul style="list-style-type: none"> <li>• Better for generalized anxiety</li> <li>• Good for elderly patients</li> <li>• Good with cognitive concerns</li> <li>• Good for substance use disorders</li> <li>• Not effective for panic attacks</li> </ul>
<input type="checkbox"/> Hydroxyzine	<ul style="list-style-type: none"> <li>• Sedation/drowsiness</li> <li>• Mild anticholinergic effects</li> <li>• Attention/concentration effects</li> <li>• Less amnesia than BZDs</li> <li>• Tolerance to cognitive effects develops</li> </ul>	<ul style="list-style-type: none"> <li>• Confusion (elderly) • Delirium risk (anticholinergic)</li> <li>• No depression risk</li> <li>• No disinhibition</li> <li>• No paradoxical reactions</li> </ul>	<ul style="list-style-type: none"> <li>• Tolerance to sedative effects develops</li> <li>• No dependence potential</li> <li>• No withdrawal syndrome</li> <li>• No rebound anxiety</li> <li>• Anticholinergic burden in elderly</li> </ul>	<ul style="list-style-type: none"> <li>• Better for anxiety with insomnia</li> <li>• Good for situational/acute anxiety</li> <li>• Good for substance use disorders</li> <li>• Avoid in elderly (anticholinergic)</li> <li>• Avoid in dementia</li> </ul>



Pregabalin

- Somnolence/sedation
- Attention/concentration effects
- Dizziness
- Word-finding difficulties
- Less amnesia than BZDs
- Euphoria (abuse potential)
- Mild mood elevation
- Visual disturbances
- Rare

- psychosis
- Weight gain

- Cognitive effects generally resolve with discontinuation
- Minimal tolerance to anxiolytic effects
- Physical dependence possible
- Withdrawal syndrome with abrupt discontinuation
- Weight gain may continue
- Better for anxiety with neuropathic pain

- Good for somatic anxiety symptoms
- Caution in substance use disorders
- Caution in suicidal ideation
- Avoid in

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MEDICATION	COGNITIVE EFFECTS	NEUROPSYCHIATRIC EFFECTS	LONG-TERM CONSIDERATIONS	PATIENT SELECTION FACTORS
				significant weight concerns
<input type="checkbox"/> Gabapentin	<ul style="list-style-type: none"> <li>• Somnolence/sedation</li> <li>• Attention/concentration effects</li> <li>• Dizziness</li> <li>• Word-finding difficulties</li> <li>• Less amnesia than BZDs</li> </ul>	<ul style="list-style-type: none"> <li>• Mood changes</li> <li>• Irritability</li> <li>• Visual disturbances</li> <li>• Rare psychosis</li> <li>• Weight gain</li> </ul>	<ul style="list-style-type: none"> <li>• Cognitive effects generally resolve with discontinuation</li> <li>• Minimal tolerance to anxiolytic effects</li> <li>• Physical dependence possible</li> <li>• Withdrawal syndrome with abrupt discontinuation</li> <li>• Weight gain may continue</li> </ul>	<ul style="list-style-type: none"> <li>• Better for anxiety with neuropathic pain</li> <li>• Good for somatic anxiety symptoms</li> <li>• Variable absorption limits</li> <li>• Reliability</li> <li>• Caution in substance use disorders</li> <li>• Avoid in significant weight concerns</li> </ul>

<input type="checkbox"/> Ramelteon	<ul style="list-style-type: none"> <li>• Minimal cognitive effects</li> <li>• No significant memory impairment</li> <li>• No psychomotor impairment</li> <li>• No attention deficits</li> <li>• No anterograde amnesia</li> </ul>	<ul style="list-style-type: none"> <li>• Headache</li> <li>• Dizziness</li> <li>• Somnolence</li> <li>• Worsening insomnia (rare)</li> <li>• Abnormal dreams</li> </ul>	<ul style="list-style-type: none"> <li>• No cognitive decline with long-term use</li> <li>• No tolerance to hypnotic effects</li> <li>• No dependence potential</li> <li>• No withdrawal syndrome</li> <li>• No rebound insomnia</li> </ul>	<ul style="list-style-type: none"> <li>• Better for circadian rhythm disorders</li> <li>• Good for elderly patients</li> <li>• Good with cognitive concerns</li> <li>• Good for substance use disorders</li> <li>• Limited overall efficacy</li> </ul>
<input type="checkbox"/> Suvorexant	<ul style="list-style-type: none"> <li>• Minimal next day cognitive effects</li> <li>• Somnolence</li> <li>• Less amnesia than BZDs</li> <li>• Minimal psychomotor effects</li> <li>• Abnormal dreams</li> </ul>	<ul style="list-style-type: none"> <li>• Sleep paralysis</li> <li>• Hypnagogic hallucinations</li> <li>• Complex sleep behaviors (rare)</li> <li>• Worsening depression (monitor)</li> <li>• Suicidal ideation (rare)</li> </ul>	<ul style="list-style-type: none"> <li>• Minimal cognitive effects with long-term use</li> <li>• Minimal tolerance to hypnotic effects</li> <li>• Low dependence potential</li> <li>• Mild withdrawal possible</li> <li>• Minimal rebound insomnia</li> </ul>	<ul style="list-style-type: none"> <li>• Better for sleep maintenance insomnia</li> <li>• Good for elderly patients</li> <li>• Good with cognitive concerns</li> <li>• Caution in depression</li> <li>• Contraindicated in narcolepsy</li> </ul>

<input type="checkbox"/> <b>Clinical Pearls and Practical Considerations</b>				
MEDICATION CLASS	UNIQUE ADVANTAGES	CLINICAL PEARLS	COMMON PITFALLS	PATIENT EDUCATION POINTS

<input type="checkbox"/> <b>Benzodiazepines</b> <b>(Bounds &amp; Nelson, 2024)</b>	<ul style="list-style-type: none"> <li>• Rapid onset of action</li> <li>• High efficacy for acute anxiety</li> <li>• Multiple formulations available</li> <li>• Established safety profile</li> <li>• Flexible dosing</li> </ul>	<ul style="list-style-type: none"> <li>• Clonazepam has less abuse potential than alprazolam</li> <li>• Lorazepam/ oxazepam safer in hepatic impairment</li> <li>• Diazepam has smoother offset due to metabolites</li> <li>• Taper by 10-25% every 1-2 weeks</li> <li>• Consider adjunctive CBT during taper</li> </ul>	<ul style="list-style-type: none"> <li>• Prescribing for longer than intended</li> <li>• Inadequate monitoring for misuse</li> <li>• Failure to address underlying disorders</li> <li>• Overlooking fall risk in elderly</li> <li>• Overlooking drug interactions</li> </ul>	<ul style="list-style-type: none"> <li>• Take exactly as prescribed</li> <li>• Do not stop abruptly</li> <li>• Avoid alcohol completely</li> <li>• Do not drive if sedated</li> <li>• Report any unusual mood changes</li> </ul>
<input type="checkbox"/> <b>Z-drugs</b> <b>(Gunga, 2013)</b>	<ul style="list-style-type: none"> <li>• Less muscle relaxation than BZDs</li> <li>• Potentially less cognitive impact</li> <li>• Shorter half-life options available</li> <li>• Less respiratory depression</li> <li>• Extended-release formulations available</li> </ul>	<ul style="list-style-type: none"> <li>• Zolpidem affects women more than men</li> <li>• Eszopiclone has longer duration of action</li> <li>• Zaleplon useful for middle-of-night awakening</li> <li>• Take on empty stomach for faster onset</li> <li>• Sublingual formulations for faster onset</li> </ul>	<ul style="list-style-type: none"> <li>• Prescribing higher than recommended doses</li> <li>• Overlooking complex sleep behaviors</li> <li>• Failure to ensure adequate sleep opportunity</li> <li>• Overlooking fall risk in elderly</li> <li>• Prescribing for longer than FDA approved duration</li> </ul>	<ul style="list-style-type: none"> <li>• Take immediately before bedtime</li> <li>• Ensure 7-8 hours available for sleep</li> <li>• Do not take with or after a meal</li> <li>• Report any sleep behaviors (eating, driving)</li> <li>• Avoid alcohol completely</li> </ul>
<input type="checkbox"/> <b>Buspirone</b> <b>(Wilson &amp; Tripp, 2023)</b>	<ul style="list-style-type: none"> <li>• No dependence potential</li> <li>• No withdrawal syndrome</li> <li>• No cognitive impairment</li> <li>• No sedation</li> <li>• Safe in elderly</li> </ul>	<ul style="list-style-type: none"> <li>• Requires 2-4 weeks for full effect</li> <li>• Often underdosed (target: 15-30mg daily)</li> <li>• TID dosing more effective than BID</li> <li>• Food increases absorption by 50%</li> <li>• Can be safely combined with SSRIs</li> </ul>	<ul style="list-style-type: none"> <li>• Inadequate dosing</li> <li>• Discontinuing too early (before effect)</li> <li>• Expecting immediate relief</li> <li>• Missing significant drug interactions</li> <li>• Using for panic disorder (ineffective)</li> </ul>	<ul style="list-style-type: none"> <li>• May take 2-4 weeks for full effect</li> <li>• Continue even if initially ineffective</li> <li>• Take consistently with/ without food</li> <li>• Not addictive or sedating</li> <li>• Report dizziness or nausea</li> </ul>

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MEDICATION CLASS	UNIQUE ADVANTAGES	CLINICAL PEARLS	COMMON PITFALLS	PATIENT EDUCATION POINTS
	<ul style="list-style-type: none"><li>• No dependence potential</li><li>• Rapid onset of action</li><li>• Multiple formulations available</li><li>• Antihistamine properties beneficial for allergic symptoms</li><li>• PRN or scheduled dosing options</li></ul>	<ul style="list-style-type: none"><li>• Higher doses for anxiety than for allergies</li><li>• Tolerance to sedation develops</li><li>• Anticholinergic burden in elderly</li><li>• QT prolongation risk at high doses</li><li>• Can be used for sleep or anxiety</li></ul>	<ul style="list-style-type: none"><li>• Overlooking anticholinergic effects in elderly</li><li>• Missing QT prolongation risk</li><li>• Inadequate dosing for anxiety</li><li>• Overlooking drug interactions</li><li>• Sedation limiting daytime use</li></ul>	<ul style="list-style-type: none"><li>• May cause drowsiness</li><li>• Dry mouth common side effect</li><li>• Avoid driving until effects known</li><li>• Tolerance to sedation may develop</li><li>• Not addictive</li></ul>
<input type="checkbox"/> Pregabalin	<ul style="list-style-type: none"><li>• Rapid onset compared to antidepressants</li><li>• Effective for somatic anxiety</li><li>• Beneficial for comorbid pain</li><li>• Minimal drug interactions</li><li>• Linear pharmacokinetics</li></ul>	<ul style="list-style-type: none"><li>• Schedule V controlled substance</li><li>• Start low, titrate gradually</li><li>• BID dosing sufficient due to high bioavailability</li><li>• Dose adjustment needed in renal impairment</li><li>• Weight gain monitoring important</li></ul>	<ul style="list-style-type: none"><li>• Overlooking abuse potential</li><li>• Failure to adjust dose in renal impairment</li><li>• Overlooking weight gain</li><li>• Abrupt discontinuation</li><li>• Underdosing for anxiety</li></ul>	<ul style="list-style-type: none"><li>• Take exactly as prescribed</li><li>• Do not stop abruptly</li><li>• Monitor for weight gain</li><li>• May cause dizziness initially</li><li>• Report any swelling or visual changes</li></ul>

<input type="checkbox"/> Gabapentin	<ul style="list-style-type: none"> <li>• Minimal drug interactions</li> <li>• Beneficial for comorbid pain</li> <li>• No hepatic metabolism</li> <li>• Multiple formulations available</li> <li>• Off-label but widely used</li> </ul>	<ul style="list-style-type: none"> <li>• Absorption decreases with increasing doses</li> <li>• Take with food to increase absorption</li> <li>• TID dosing necessary due to short half-life</li> <li>• Higher doses needed for anxiety than epilepsy</li> <li>• Dose adjustment needed in renal impairment</li> </ul>	<ul style="list-style-type: none"> <li>• Overlooking saturable absorption</li> <li>• Inadequate dosing frequency</li> <li>• Failure to adjust dose in renal impairment</li> <li>• Overlooking abuse potential</li> <li>• Abrupt discontinuation</li> </ul>	<ul style="list-style-type: none"> <li>• Take with food to increase absorption</li> <li>• Do not stop abruptly</li> <li>• Monitor for weight gain</li> <li>• May cause dizziness initially</li> <li>• Report any swelling or visual changes</li> </ul>
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<input type="checkbox"/> Ramelteon	<ul style="list-style-type: none"> <li>• No cognitive impairment</li> <li>• Take 30 minutes before bedtime</li> <li>• Avoid high-fat meals before dosing</li> </ul>	<p>Most effective for insomnia</p> <p>• Taking too close to bedtime</p> <p>• Use for sleep maintenance</p>	<p>Avoid high-fat meals before dosing</p> <p>• Take 30 minutes before bedtime</p>
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NexGen Psychiatry Starter Kit

MEDICATION CLASS	UNIQUE ADVANTAGES	CLINICAL PEARLS	COMMON PITFALLS	PATIENT EDUCATION POINTS
	<ul style="list-style-type: none"> <li>• No cognitive impairment</li> <li>• No restrictions on duration of use</li> <li>• Minimal drug interactions</li> </ul>	<p>sleep onset</p> <ul style="list-style-type: none"> <li>• Not effective for sleep maintenance</li> <li>• No dose adjustment in elderly</li> </ul>	<ul style="list-style-type: none"> <li>• Taking with high fat meal</li> <li>• Overlooking CYP1A2 interactions</li> <li>• Expecting significant hypnotic effects</li> </ul>	<ul style="list-style-type: none"> <li>• Not addictive or sedating</li> <li>• May cause dizziness</li> <li>• Report abnormal dreams</li> </ul>
<input type="checkbox"/> Suvorexant	<ul style="list-style-type: none"> <li>• Novel mechanism of action</li> <li>• Effective for sleep maintenance</li> <li>• Minimal tolerance development</li> <li>• Less respiratory depression than BZDs/Z-drugs</li> <li>• Studied for longer term use</li> </ul>	<ul style="list-style-type: none"> <li>• Schedule IV controlled substance</li> <li>• Take 30 minutes before bedtime</li> <li>• Lower doses in women and elderly</li> <li>• Significant CYP3A4 interactions</li> <li>• Contraindicated in narcolepsy</li> </ul>	<ul style="list-style-type: none"> <li>• Overlooking drug interactions</li> <li>• Using in narcolepsy patients</li> <li>• Failure to ensure adequate sleep opportunity</li> <li>• Overlooking next day effects</li> <li>• Combining with other sedatives</li> </ul>	<ul style="list-style-type: none"> <li>• Take 30 minutes before bedtime</li> <li>• Ensure 7-8 hours available for sleep</li> <li>• May cause drowsiness the next day</li> <li>• Report sleep paralysis or hallucinations</li> <li>• Avoid alcohol completely</li> </ul>

