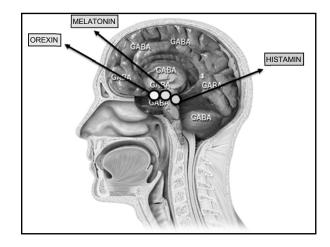
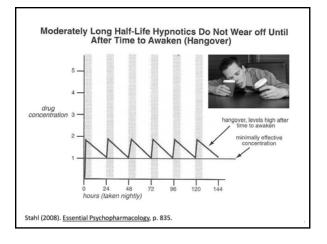


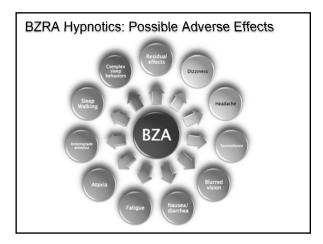
Class ¹	Drugs ^{1,2}	Acts on: ¹	Controlled Substance Schedule ²
Barbiturates	Phenobarbital, mephobarbital, amobarbital, secobarbital	Non-selective CNS depressants	II, III, IV
Antipsychotics	Quetiapine, risperidone, aripiprazole	Dopamine, serotonin	Not scheduled
Antidepressants	Tradozone, amitriptyline	Serotonin/histamine	Not scheduled
Benzodiazepines	Temazepam, estazolam, flurazepam, quazepam, triazolam	GABA	IV
Antihistamines	Diphenhydramine ⁵	Histamine	Not scheduled
Nonbenzodiazepines	zolpidem, eszopicione, zalepion		IV
Melatonin receptor agonist	Ramelteon	Melatonin	Not scheduled
Selective H ₁ receptor antagonist ³	Doxepin	Histamine H ₁	Not scheduled
Orexin receptor antagonist ⁴	Suvorexant	Orexin	IV

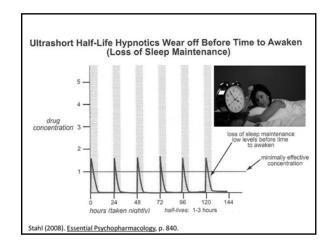
DRUGS INDICATED FOR INSOMNIA						
Generic	Brand	T _{1/2} (Hours)	Dose (mg)	Drug Class		
Flurazepam	Dalmane	48-120	15-30	BZD		
Temazepam	Restoril	8-20	15-30	BZD		
Triazolam	Halcion	2-6	0.125-0.25	BZD		
Estazolam	Prosom	8-24	1-2	BZD		
Quazepam	Doral	48-120	7.5-15	BZD		
Zolpidem	Ambien	1.5-2.4	5-10	non-BZD		
Zaleplon	Sonata	1	5-20	non-BZD		
Eszopiclone [†]	Lunesta	5-7	1-3	non-BZD		
Zolpidem Ex Rel†	Ambien CR	1.5-2.4*	6.25-12.5	non-BZD		
Ramelteon [†]	Rozerem	1.5-5	8	MT agonist		
Silenor [†]	Doxepin	15.3	3, 6	H ₁ Antagnonist		
Suvorexant [†]	Belsomra	12	5, 10, 15, 20	Hcrt Antagonist		

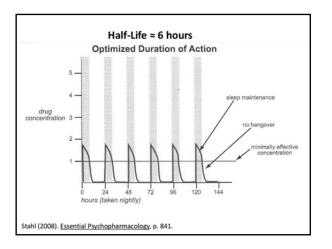


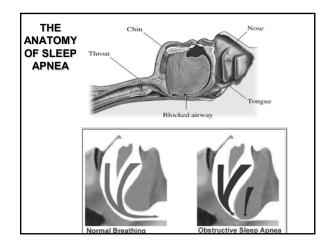
Agent	Initiates Sleep	Maintains Sleep	Sleep with limited opportunity	Required Inactivity (hr)	Dose (mg)	
Eszopiclone	\checkmark	V		8+	1,2,3	
Zaleplon	\checkmark		\checkmark	4	5,10	
Zolpidem	\checkmark			7-8	5,10	
Extended release	\checkmark	V		7-8	6.25, 12.5	
Intermezzo (Sublingual)		V	√ (4 hrs)	4	1.75, 3.5	
Zolpimist (oral spray)	\checkmark			4	5, 10	
Elduar (Sublingual)	\checkmark			4	5, 10	
Silenor		V		7-8	3, 6	
Ramelteon	\checkmark			-	8	
Suvorexant	\checkmark	V		7	5, 10, 15, 20	

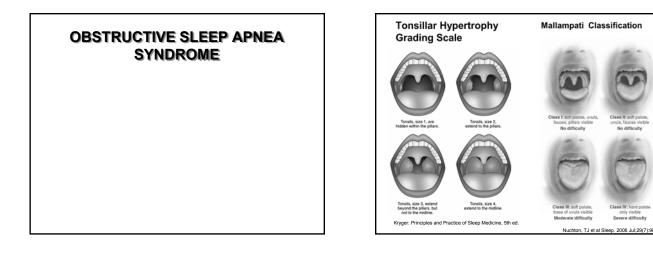


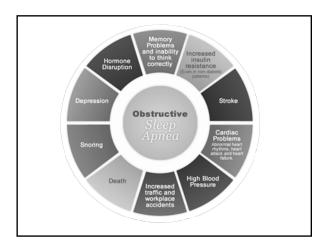


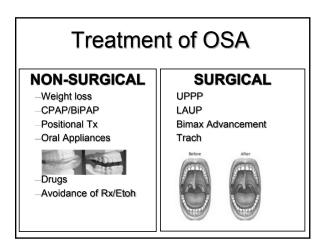




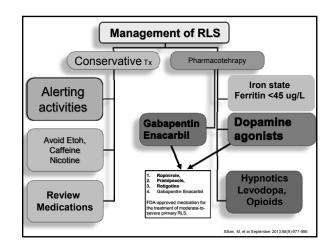


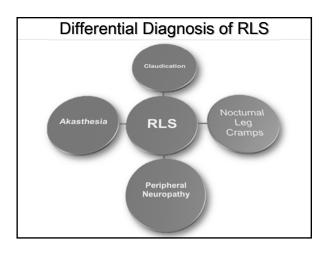


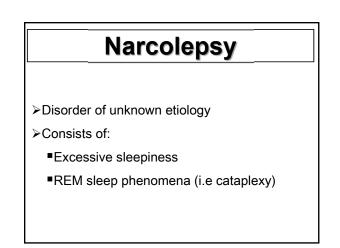


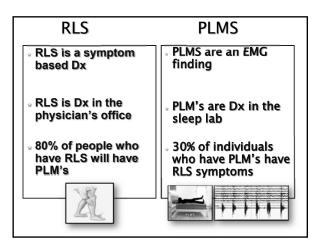


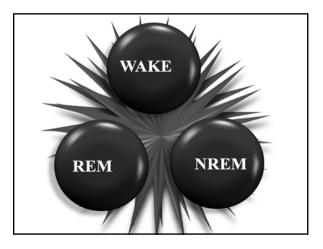
Willis-Ekbom Disease				
	Essential Criteria*	Supportive Features*		
]	Urge to move the legs — usually accompanied or caused by uncomfortable leg sensations	 Sleep disturbances Periodic leg movements Positive family history for RLS 		
	Getting up: Temporary relief with movement — partial or total relief from discomfort by walking or stretching	 Positive response to dopaminergic therapy 		
	Rest: Onset or worsening of symptoms at rest or inactivity, such as when lying or sitting			
	Evening: Worsening or onset of symptoms in the evening or at night			
	Diagnostic criteria developed by the International RLS (IRLS) Study Group in collaboration with the National Institutes of Health (NIH).			











Case

• A 64 y/o man presented to the ER with a broken wrist experienced during a "fighting dream." For the last 6m, he has been sleeping in a separate room than his wife after he had punched her during one of these dreams. What is the most likely diagnosis?

Summary: Treatments of Sleep Disorders			
Nonpharmacologic	Pharmacologic		
Increase total sleep time, e.g., naps	Not recommended		
Positive Pressure Therapy Airway surgery (CPAP)	Modafinil* (for residual sleepiness with CPAP compliance)		
Behavioral Tx	BZA *, non-BZA agonists*, H1 antidepressants*, melatonin agonist, Hcrt antagonist*		
Prophylactic "power naps"	Modafinil,* dexamphetamine,* methylphenidate*		
Hot bath, massage	Dopaminergic agents, Dopamine agonist*, α2 delta ligand.		
Safety, Avoid exacerbating factors	BZA		
	Nonpharmacologic Increase total sleep time, e.g., naps Positive Pressure Therapy Airway surgery (CPAP) Behavioral Tx Prophylactic "power naps" Hot bath, massage Safety, Avoid exacerbating		

REM Sleep Behavior Disorder

- RBD is most commonly associated with neurodegenerative disease, particularly a-Synucleinopathies:
- Parkinson's disease
- Dementia with Lewy Bodies
- Multiple System Atrophy

Pharmacologic treatment of RBD						
Drug ^(*)		Level of Recommendation	Special considerations			
Environmental Safety						
Clonazepam	0.25-2.0 mg QHS	Suggested ^(†)	Use with caution in patient s with dementia, gait disorders, or concomitant OSA. Side effect include sedation, impotence, motor incoordination, confusion and memory dysfunction.			
Melatonin	3 mg to 12 mg before bedtime.	Suggested ^(†)	Effective in patients with alpha- synucleinopathies, memory problems, and sleep-disordered breathing. Side effects include headaches, sleepiness and delusions/hallucinations.			