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Course Description This course will describe how to appropriately choose a pain medication based upon individual patient and drug factors. Additionally, opioid medications will be evaluated in terms of risk versus benefit, with an emphasis on pain levels and the potential ACase anecdotes will include management of ocular pain, with specific emphasis on oral/systemic medications and how to protect both patient and practitioner.

Learning Objectives When given a patient case, choose an appropriate pain treatment plan for the management of ocular pain, in terms of drug choices based on pain level, dosing issues, and a monitoring plan for efficacy and toxicity. Identify and describe some of the potential signs, symptoms, and behaviors associated with opioid or substance abuse, and describe ways to respond to this er List systems available to evaluate a patient for potential opioid/substance abuse. € Describe the treatment issues and options associated with the treatment of ocular pain in a patient with a drug abuse history

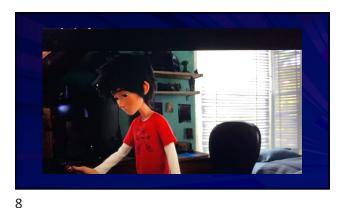
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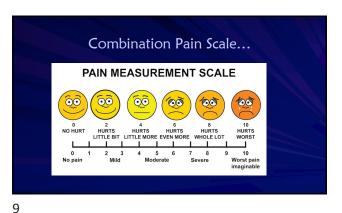


Drug Treatment Options...Neuropathic Pain Adjuvants - means "add on" medications **★** Some of them have addiction potential Anti-seizure medications that address nerve damage/inflammation - MOA: work on the GABA system - similar to benzodiazepines (ex. Xanax) Gabapentin (Neurontin) - controlled substance in multiple states Pregabalin (Lyrica) – controlled substance in all 50 states Anti-anxiety and sleep medications
 Anti-anxiety and sleep medications Alprazolam (Xanax), Lorazepam (Ativan), Diazepam (Valium)

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Drug Treatment Options... Nociceptive Pain 3 Groups of analgesics

★ Non-opioids [↑] Acetaminophen (Tylenol) □ NSAIDs (Ibuprofen, naproxen sodium) © Glucocorticosteroids (methylprednisolone, prednisone) Codeine (Tylenol with codeine) ¹ Tramadol (Ultram)

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Controlled Substance Schedules Schedule III - Safer, less likely to be abused (as compared to Schedule II) **★**Combination products with APAP or ASA (codeine) **★**Esketamine – nasal spray for treatment resistant depression Schedule IV – Safer, less likely to be abused (as compared to Schedule II and III)

*Tramadol (Ultram) *Benzodiazepines (lorazepam, diazepam, oxazepam)
*Sleep agents (zolpidem, etc.) Schedule V – safest, least likely to be abused ★Expectorants with codeine

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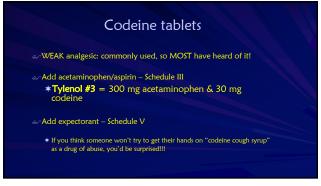








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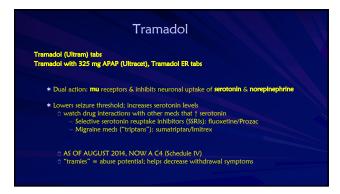






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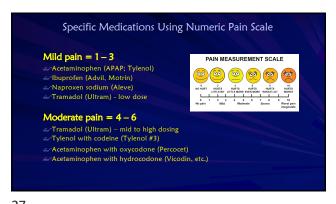


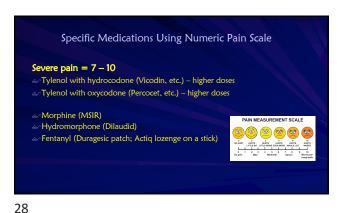


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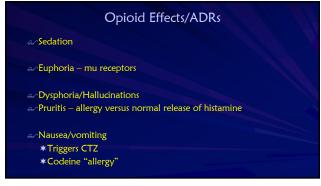


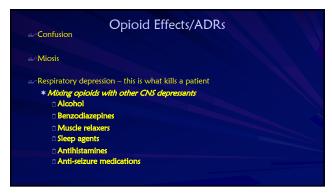




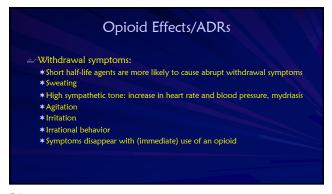


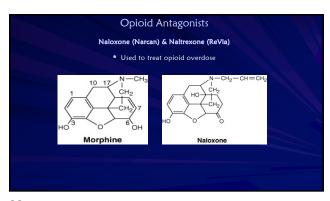
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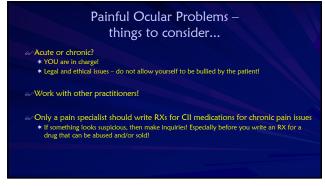
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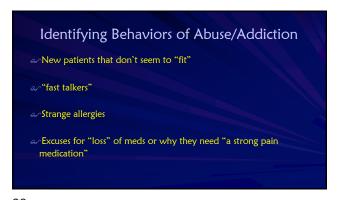




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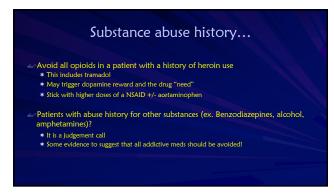








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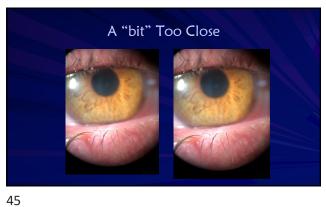


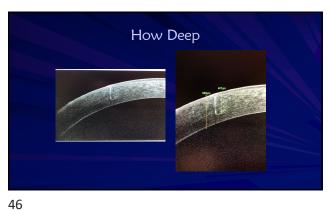


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