



What's New in Pain Management?

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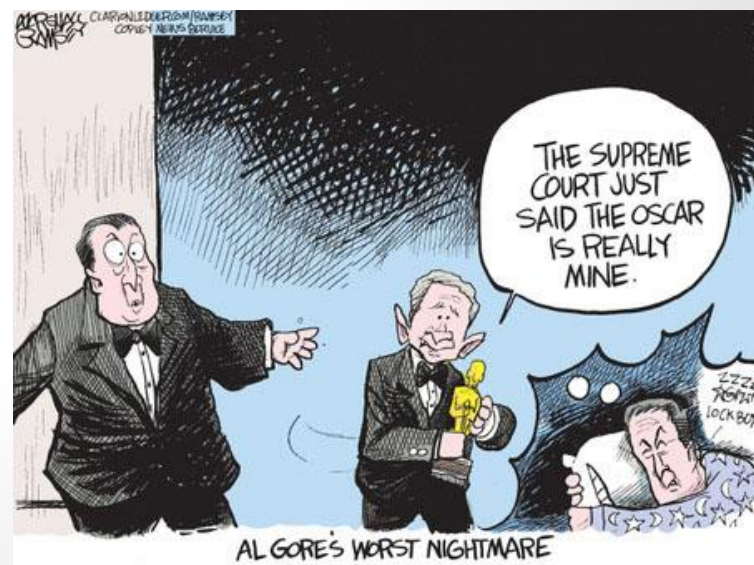
Trivia Question

- ▶ Several Politicians [U.S. Presidents and/or Presidential candidates] have won Grammy Awards (including Barack Obama!)
- ▶but only ONE has won a Grammy Award, an Emmy, (Primetime), an Academy Award (Oscar), and the Nobel Peace Prize

- Who is it?

- ▶ HINT: Also served as VP!

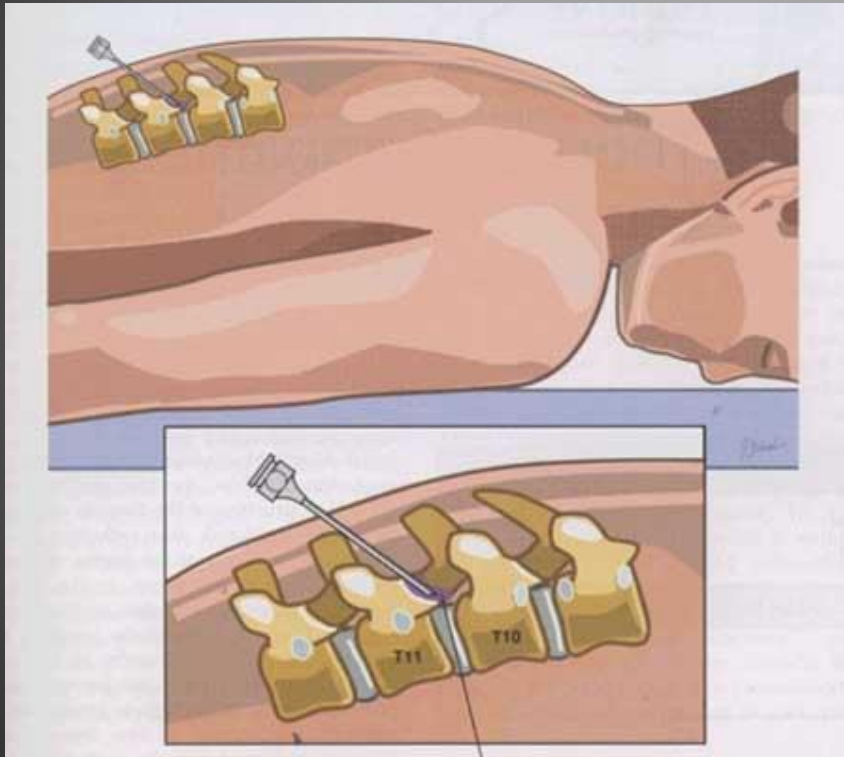
- ▶ Al Gore



Pain Medications

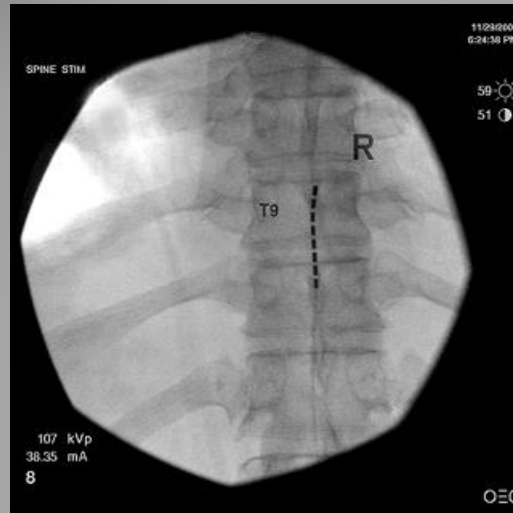
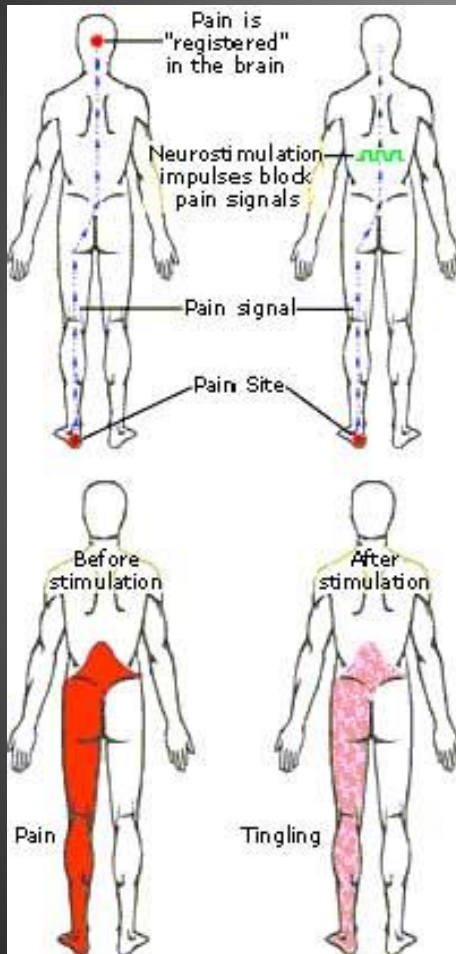
- ▶ Topical compound creams
 - Largely ketamine (schedule III) and diclofenac based creams, for neuropathic and inflammatory coverage
 - Both very effective, very little systemic absorption
- ▶ Transdermal buprenorphine (Butrans)
 - Once weekly dosing
 - Not limited to just fentanyl anymore
 - Much lower abuse potential than oral narcotics
- ▶ Opioids
 - Re-formulation of many sustained relief opioids and some newer agents on the market
 - More effective, less abuse overall

Interventional Pain: Thoracic Spine

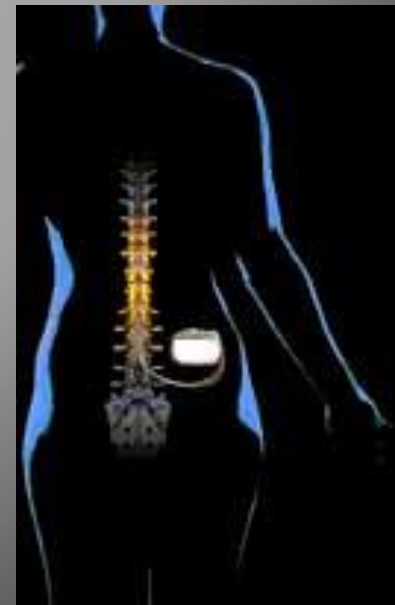


- ▶ Important not to overlook thoracic region as a possible source of spinal pain
- ▶ More and more research being done in thoracic spine to identify possible pain generators
- ▶ T-spine is amenable to treatments similar to those performed in cervical & lumbar regions

Spinal Cord Stimulation



Typical candidates include those individuals with chronic radiculopathy (sciatica), failed back syndrome, neuropathy, reflex sympathetic dystrophy (complex regional pain syndrome), or vascular insufficiency. Many more indications every year.



Regenerative Medicine

- ▶ Proliferative therapy (“prolotherapy”)
- ▶ Platelet rich plasma (PRP)
- ▶ Stem Cells (fat and/or bone derived)
- ▶ More and more techniques and applications are being developed all the time



THANK YOU!!



PAIN SPINE & REHAB

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Any Questions??