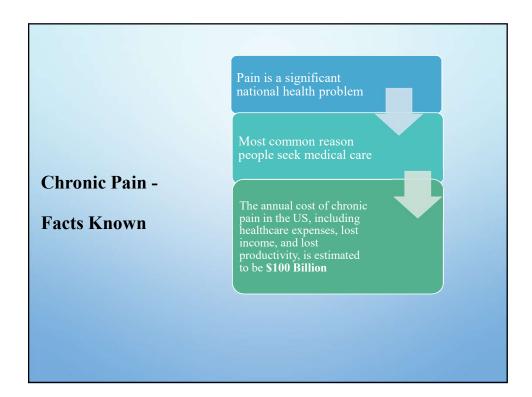
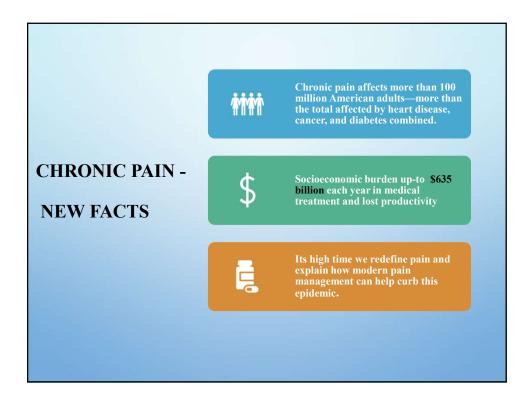


## **GRAND ROUNDS ?**

- AN ESCALATING PUBLIC HEALTH PROBLEM. > HEART DISEASE AND DM
- CONVENTIONALLY SPINE
   PAIN HOWEVER A LARGE POPULATION
   OF CHRONIC PAIN PATIENTS PRESENT
   WITH A RATHER COMPLEX , MIXED
   NATURE OF PAIN PRESENTATION
- LARGE INFLUX OF SUCH PT,S DIAGNOSED WITH FIBROMYALGIA, ABDOMINAL PAIN OF UNKNOWN ORIGIN , PELVIC PAIN , CRPS , POST TRAUMATIC HEADACHES ETC. (UNCONVENTIONAL PAIN SYNDROMES)
- 5<sup>TH</sup> VITAL SIGN

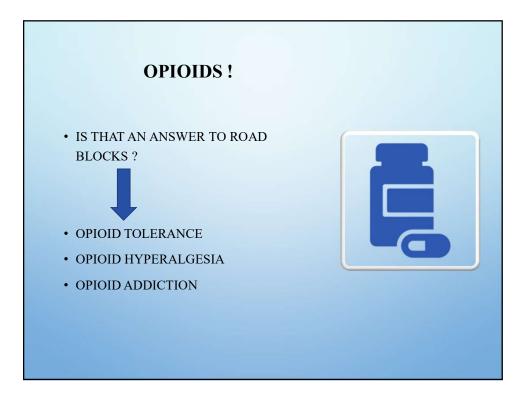
OVERVIEW	
	New facts re Chronic Pain
	Challenging syndromes
	Why Modern ?
	Why not Opioids ?
	Chronic Pain States
	Neuromodulation and New Innovations

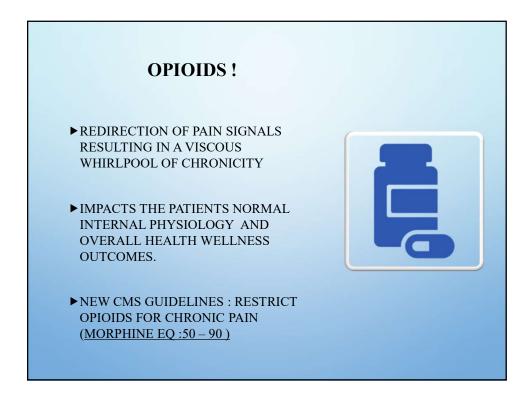


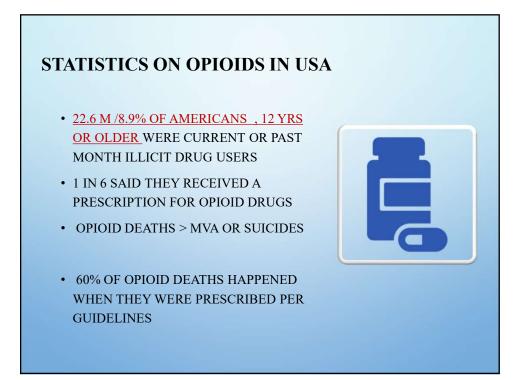




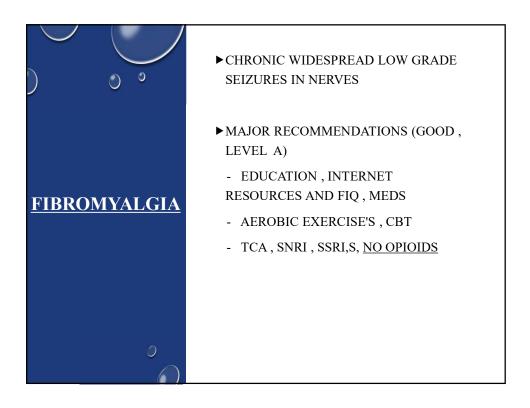




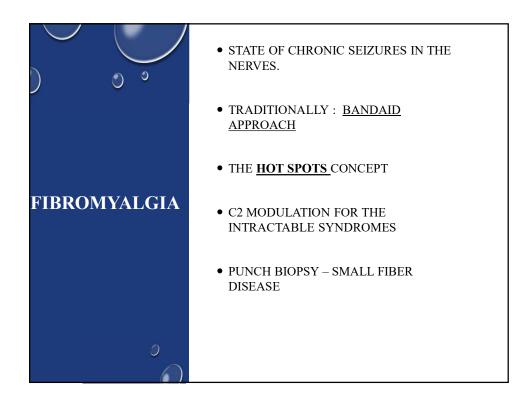


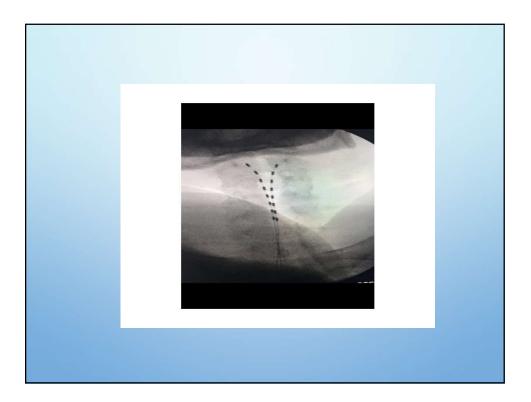


CHALLENGING CHRONIC PAIN STATES	Fibromyalgia
	Abdominal Pain
	Pelvic Pain
	CRPS
	Headaches / Posttraumatic Headaches
	Postsurgical spine pain



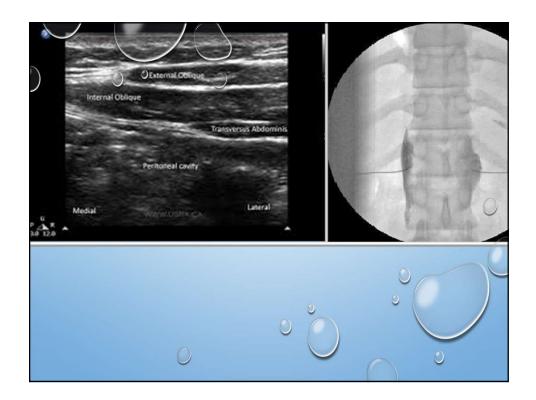




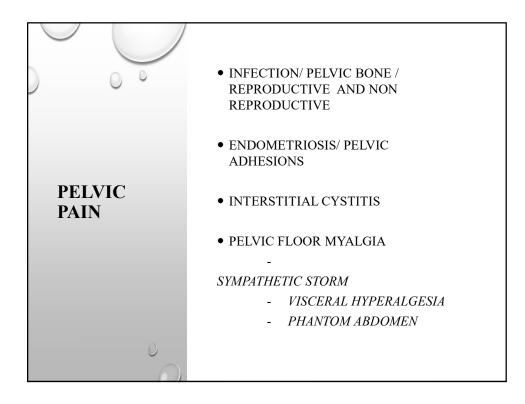


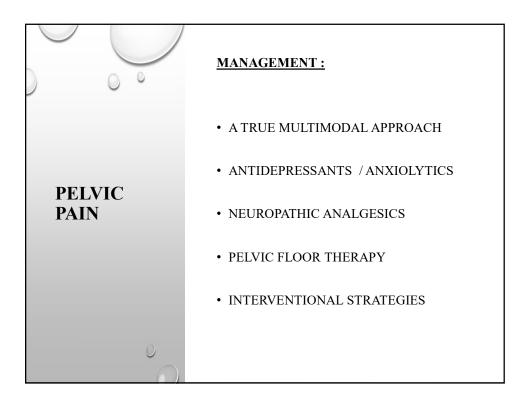
ABDOMINAL PAIN	
	Most pts have a negative GI Workup
	Somatic and Visceral Component interaction
	Opiods ?? – Nucynta
	Multimodal approach : Neuropathic / NSAIDS

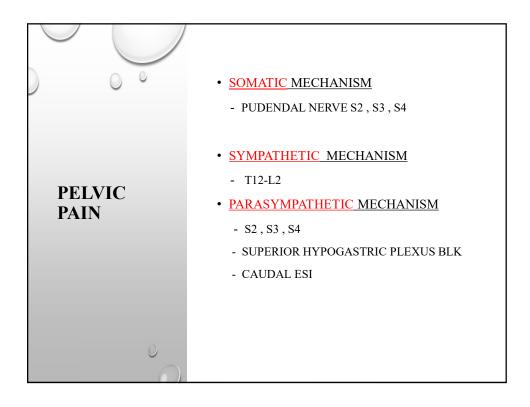
	Diagnostics for each component- TAP
ABDOMINAL PAIN	block , Celiac Plexus bock
	Intercepting Pain signals from the Back
	(Celiac plexus blocks / Splanchnic nerve blocks –RFA)
	Dermatomal Pain : Spinal cord stimulation /DRG stimulation Neuromodulation

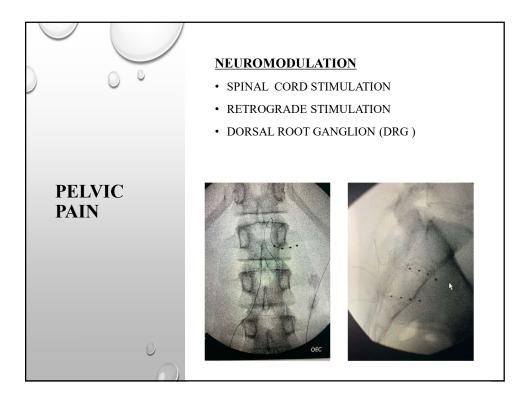


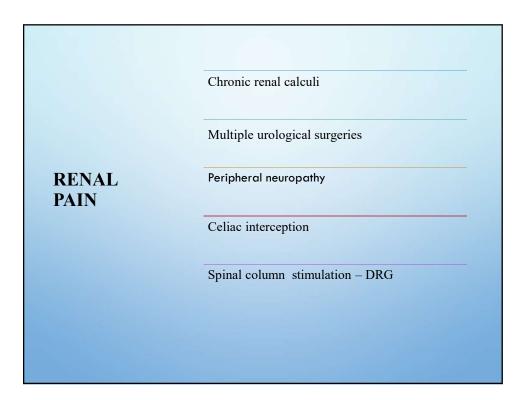
	• ALARMING RISE IN PREVALENCE
	• IS JUST NOT IN THE MIND ! - SOCIAL TABOO
PELVIC PAIN	• CAN AFFECT MALES AND FEMALES
	• MOST PTS HAVE SEEN A OBGYN/ UROLOGIST AND HAD SURGICAL PROCEDURES
0	<ul> <li>MOST OF THEM ARE ON OPIOIDS – ROAD BLOCK</li> </ul>

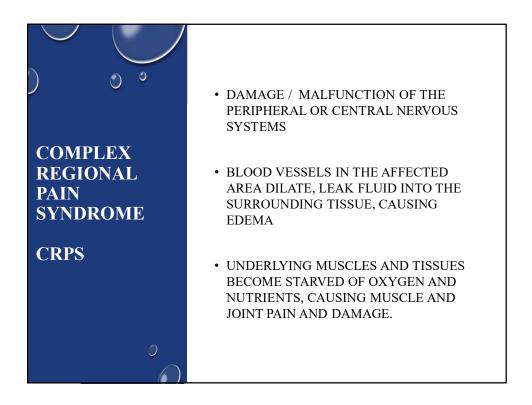


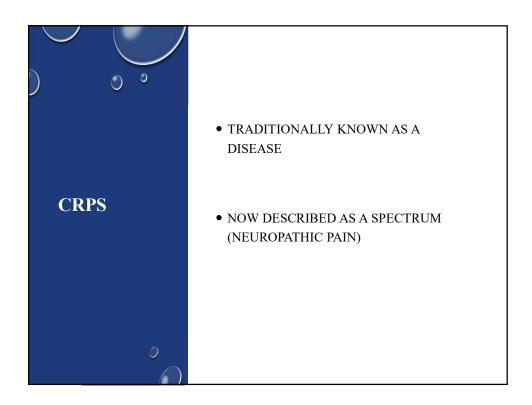








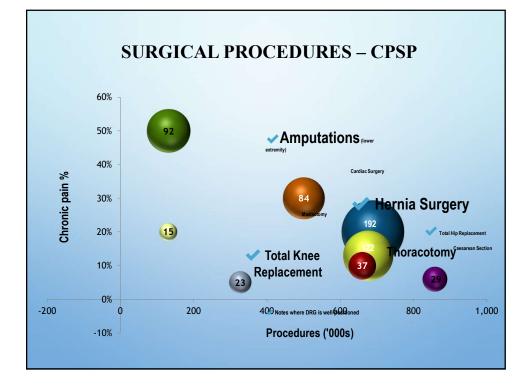






# CHRONIC POST SURGICAL PAIN (CPSP)

- UNUSUALLY PROLONGED POST OPERATIVE PAIN COURSE
- LARGELY NEGLECTED OR RATHER OVERLOOKED
- EARLY AND AGGRESSIVE TREATMENT NEEDED
- CONTRIBUTES TO OPIOID EPIDEMIC







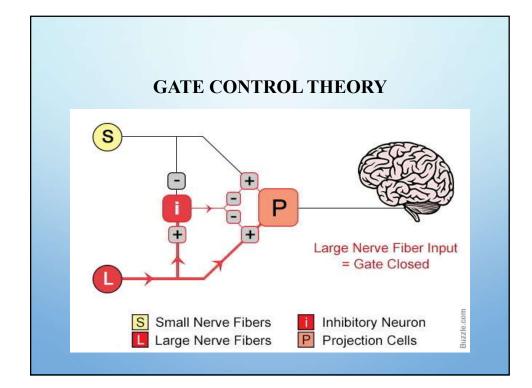
### FAILED BACK SURGERY SYNDROME

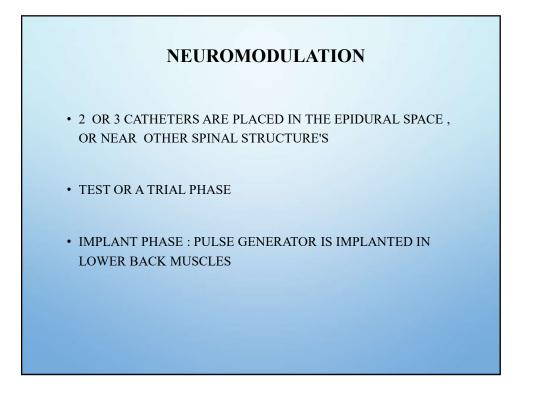
- ► WHEN SPINE SURGERY DID NOT COMPLETELY MEET THE EXPECTATIONS OF A PAIN PATIENT LAMINECTOMY / FUSION
- ▶ INCIDENCE 20 -40% IN 200,000 EACH YEAR
- ► IMPROPER PREOPERATIVE PATIENT SELECTION BEFORE BACK SURGERY / LEVELS OF FUSION
- RECURRENT DISC HERNIATION AFTER SPINE SURGERYEPIDURAL FIBROSIS
- **\***ADJACENT SEGMENT DISEASE

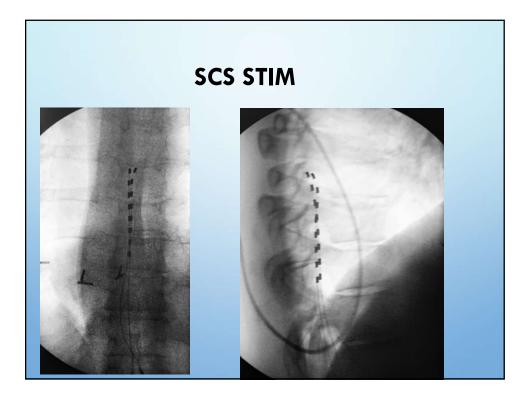


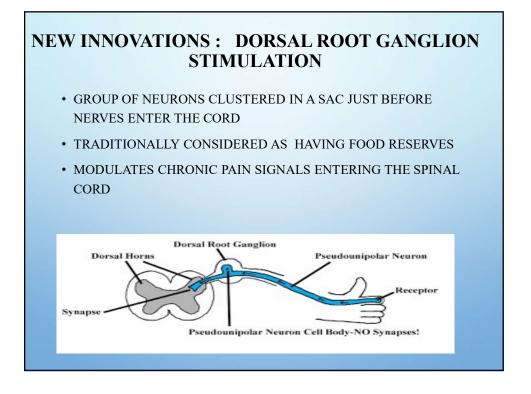
#### SPINAL COLUMN STIMULATION/ NEUROMODULATION

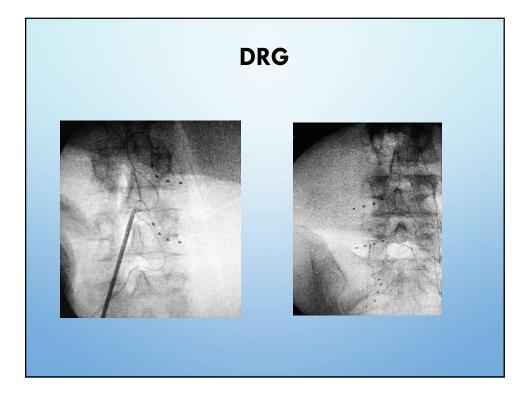
- GATE CONTROL THEORY AND INNATE OPIOID RELEASE
- INDEPENDENT OF PAIN GENERATOR TYPE
- PROVEN IN SYMPATHETIC WEBS
- TEST DRIVE
- FACILITATES OPIOID WEANING











## SPINAL STENOSIS AN EPIDEMIC IN MAKING

- A DISEASE OF THE ELDERLY
- NARROWING OF THE VOLUME OF THE SPINAL CANAL
- CLAUSTROPHOBIC FEELING TO THE NEURAL ELEMENTS
- MILD , MODERATE AND SEVERE
- SURGERY WAS THE ONLY OPTION
- NOW A MINIMALLY INVASIVE OPTION

