

FMF 2015 Chronic Pain	Management Symposium
9:45 - 10:15	All Chronic Pain Is Not the Same: Making an accurate pain diagnosis – Dubin /Jovey
10:15 - 10:45	Making It Real: Function and goal setting in a chronic pain patient - Hatcher
11:15 - 11:45	Options, Options, Who Has the Options? Non-opioid treatments for chronic pain - Hollett
11:45 - 12:15	Chronic Pain: Optimizing opioids, reducing risks - Jovey
13:45 - 14:15	Cannabinoids and Chronic Pain - Ware
14:15 - 14:45	Addiction in Chronic Pain - Bordman

Not All Chronic Pain is the Same Making an accurate pain diagnosis Dr. Ruth Dubin Dr Roman Jovey Family Medicine Forum – Nov 2015 Conflict of Interest Declaration – Dr. Ruth Dubin

- No relationships with industry
- Co-Chair ECHO Ontario which is funded by the Ministry of Health of Ontario

#### Conflict of Interest Disclosure - Dr. Roman D. Jovey

- Grants/Research Support: none
- Speakers Bureau/Consulting: Astra-Zeneca, Bayer, Biovail, Boehringer-Ingelheim, GlaxoSmithKline, Janssen, King, Lilly, Medical Futures, Merck-Frost, Mundipharma, Nycomed, Palladin, Pfizer, Purdue-Pharma, Sanofi-Aventis, Tribute Pharma, Valeant, Wyeth
- Medical Director: CPM Centres for Pain Managment

## Learning Objectives

At the end of this session participants will be able to:

- utilize a Clinically Organized Relevant Exam to effectively assess patients with low back pain
- perform a focused pain exam to detect myofascial, neuropathic, and central sensitization pain
- formulate a specific pain diagnosis (beyond "low back pain")
- explain the importance of a biospychosocial approach to chronic pain management to patients

## Ralph:

37 y.o construction worker

- your patient since his early 20's
- several work-related back injuries, with flare ups previously managed by NSAIDs and a few days off work.
- four months ago fall at work
- X-rays: minor Degenerative Disc Disease
- After WSIB rehab, still unable to return to work.
- employer has no modified duties for him
- WSIB is telling him that he must return to work or lose his benefits.





# Ralph: Back in your office

- severe low back pain that radiates up his back as well as part way down his right leg – seems to have spread to his neck
- his wife is getting on his case unable to do his household chores
- trouble meeting their monthly expenses (stress!)
- complaining of insomnia / depressed mood
- requesting something stronger for the pain and an MRI of his back
- a buddy had surgery for a "slipped disc" and is better
   he also wants a referral to his buddy's surgeon



Clinically Org	AIN STRATEGY anized Relevant RE) Back Tool	syndi inves	cool will guide the clinician to recogn romes and screen for other condition tigations, referral and specific media inical decision-making in primary ca	s wh	ere management may include
Patient Name:	Age:	С.	PHYSICAL EXAMINATIO	N	
Provider Name:			Eront		Back
Provider:	ate:		regne (10) Lan		Lat I more
A. HISTORY  1. Where is your pain the worst?  Is do the mainst - Buttock  Leg  2. is your pain:  Intermittent  Constant -> Rule out red flags  3. Dees bending forward increase your	<ol> <li>Have you had any unexpected accidents with your bavel or bladder function since this episode of your low back/leg pain started.</li> <li>Yes → Rule out cauda equina syndrome No</li> <li>If age of enset &lt; 45 years, are you experiencing morning stiffness in your</li> </ol>		AN	6M.IL	
typical back or leg pain?	back > 30 minutes? □ Yes→Systemic inflammatory arthritis screen	Gait	Heel walking (L4-5)	23	2 COMMENTS
No	No No		Toe walking (S1)	_	
B. SCREENING Red Flags (check if positive)	No Red Flags	Standing	Movement testing in flexion Movement testing in extension Trendelenburg test (L5) Repeated toe raises (51)		
Neurological: diffuse motor /sensory loss, cauda equina syndrome     Infection: fever, IV drug use, Immune sup Fracture: trauma, osteoporosis risk     Tumour: hx of cance, unexplained weight sjonificant fotigue	ressed	Sitting	Patellar reflex (L3-4) Quadriceps power (L3-4) Ankle dorsilheation power (L4-5) Great toe extension power (L5) Great toe flexion power (S1) Plantar response, upper motor test		
	ent with exercise, disproportionate night pain	Kneeling	Ankle reflex (51)		
Radiology Criteria (check if positive)	No Radiology Criteria	×	Supine	HT.	
Have you had any previous imaging done Yes→ Results: No Suggested Imaging for Suspected Pathol X-Ray: suspected trauma or fragility frat MRE functionally significant or progress unresponsive radicular syndrome, neuro Bene Scass infection, systemic inflame	egy: ture ve neurological deficits, turnour, peric claudicatien, cauda equina syndrome	Lying	Passive straight leg raise Passive hip range of motion Prone Fernoal nerve stretch (13-4) Gluteus maximus power (S1) Saddle sensation testing (S2-3-4) Passive back extension (catient user arms to elevate upper body)		

	A. HISTORY	
Ralph	1. Where is your pain the worst? Back Dominant - Buttock Leg	4. Have you had any unexpected accidents with your bowel or bladder function since this episode of your low back/leg pain started?
	2. Is your pain:	□ Yes→ Rule out cauda equina syndrome
	□ Intermittent □ Constant → Rule out red flags	🙀 No
	3. Does bending forward increase your typical back or leg pain?	5. If age of onset < 45 years, are you experiencing morning stiffness in your back > 30 minutes?
	🛛 Yes in No	□ Yes→Systemic inflammatory arthritis screen ♀ No
	B. SCREENING	
	Red Flags (check if positive)	🙀 No Red Flags
	Neurological: diffuse motor /sensory loss cauda equina syndrome     Infection: fever, IV drug use, immune sup Fracture: trauma, osteoporosis risk     Tumour: hx of cancer, unexplained weight significant fatigue     Inflammation: chronic low back pain > 3	pressed t loss, significant unexpected night pain,





BPI-Interference or Pain Disability Index						
Circle the one number that describes how, during the past 24 hours, pain has interfered with your:						
A. General Activity:						
Does not interfere 0 1 2 3 4 5 6 7 (8) 9 10 Completely interferes						
B. Mood:						
Does not interfere 0 1 2 3 4 5 6 7 (3) 9 10 Completely interferes						
C. Walking Ability:						
Does not interfere 0 1 2 3 4 5 6 7 8 9 10 Completely interferes	52/70					
D. Normal Work (includes both work outside the home and housework)						
Does not interfere 0 1 2 3 4 5 6 7 8 9 10 Completely interferes	= 7.7 / 10					
E. Relations with other people:						
Does not interfere 0 1 2 3 4 5 6 7 8 9 10 Completely interferes						
F. Sleep:						
Does not interfere 0 1 2 3 4 5 $6$ 7 8 9 10 Completely interferes						
G. Enjoyment of Life:						
Does not interfere 0 1 2 3 4 5 6 7 🛞 9 10 Completely interferes						













 untreated myofascial pain can lead to generalized chronic pain due to central sensitization
 Regional pain syndromes can become generalized







R	ecognizing C	entral Sensitization
		Description
	Patient history	Reports of pain that spread beyond the initial area of injury
	Primary/secondary brush	Painful response to lightly brushing the skin inside the initial area

Primary/secondary brush allodynia	Painful response to lightly brushing the skin inside the initial area of injury (primary) or outside of the area of injury (secondary)	
Temporal summation with wind up	Repeated painful stimuli, like a pinprick (usually tested as 1 per second for 10 seconds) results in an augmented pain response so that following repetitive pinpricks the intensity of the pain rating at the end is graded much higher than a single stimulus	-
		26

### Ralph - Physical exam

- reduced anterior flexion with pain
- can tiptoe, stand on his heels and squat
- reflexes normal
- no vertebral tenderness, but when you press on his lumbar paraspinal and right gluteal muscles he winces
- He is also tender over his posterior neck and shoulder girdle
- sensation grossly normal but seems to be generally more pain sensitive all over his back and neck and shoulder girdles
- he looks tired and discouraged

# Screening "Yellow Flags" on Hx



#### So, does he need an MRI? Referral to the surgeon?

- physical exam = no red flags
- no evidence of neurological deficits
- seems to have myofascial pain and central sensitization
- main issues are pain, sleep, mood and worry about finances

#### Your specific diagnoses:

- Mechanical low back pain
  back dominant
- Myofascial gluteal trigger points
- Indicators of central sensitization
- Pain-related mood disorder / insomnia



