





Three Step Approach Zebra = "red flags" 1. Is it a zebra or a horse? Horse = mechanical or radicular 2. Is it in the back or the leg? 3. History and physical





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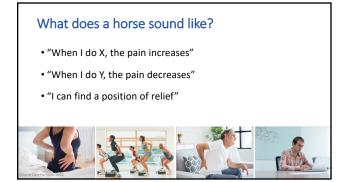
## **Step 1:** Ask These Three Questions

These tell you whether it's a zebra or a horse:

- 1. Are there certain movements, positions or activities that increase your pain?
- 2. Are there certain movements, positions or activities that decrease your pain?
- 3. Can you find a position of relief?

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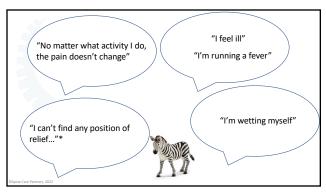
"No matter what activity I do, the pain doesn't change"

Probably a horse but not certain – explore red flags

"I can't find any position of relief..."\*

\*Exceptions: Fracture Spondyloarthropathy (AS)

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If it's a horse, two things to consider

Classification:

• Mechanical

• Distress

• Low self-efficacy

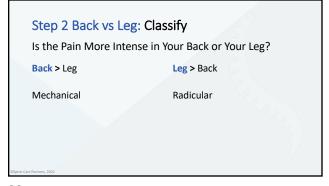
• Nociplasticity (chronic)

• Stenosis

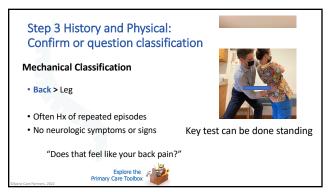
Amplification of nociception leading to heightened pain experience (central sensitization)

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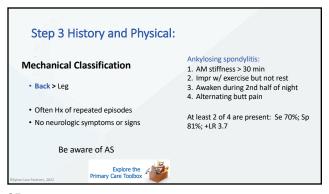


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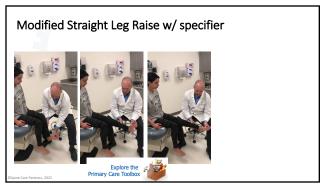


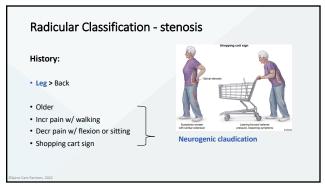




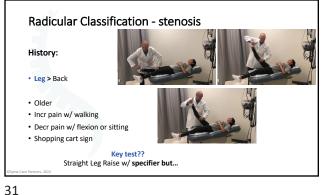


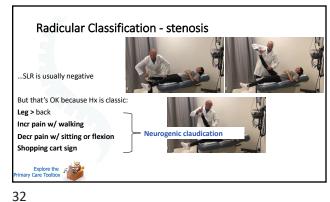
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## How do we identify distress and low self-efficacy?

- Afraid of activity
- Language appears catastrophizing
- Little confident in ability to get better



• Language reflects "it's someone else's fault"

• Pain on palpation virtually everywhere

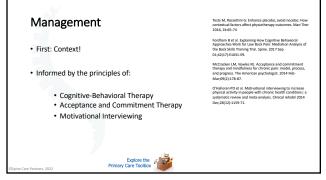
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How do we identify nociplastic pain?

This applies to the *chronic* patient:

- Pain intensity and behavior disproportionate to injury or pathology
- · Close association to distress and low self-efficacy

• Atypical incr/ decr factors on Hx; "everything hurts"



Management - Language: What you say and do - and how!

First and foremost:

- Validate!
- 1. Reproduce pain on exam
- 2. Acknowledge their experience!





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#### Management – Language:

- Severe pain does NOT indicate a catastrophic event
  - Though it sure feels like one! (validate)
- Spine pain rarely needs emergent care
  - Though it sure seems like it does (validate)

Unless there's a zebra

- Lose ability to go to the bathroom
- Legs suddenly go weak





Management - Language:

- · Manage, not cure
  - "This can hurt like heck, but it is very common and manageable"
- Keep it simple whenever possible
  - If we get complex, it seems like a complex problem
  - If we keep it simple, it seems like a simple problem

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#### Management – Language:

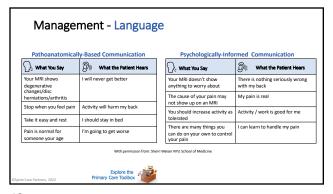
- Use positive language re: expectation for recovery
   Be careful: "90% of LBP resolves within 3 months" doesn't work!\*
  - "As much as it might hurt, there is a lot that we can do to help it resolve quickly" (notice the "we")
- · Help them challenge their own assumptions, but validate first
  - First: "It is understandable that you would be distressed about this"
- Then: "Good news! It's not as bad as it appears. Here's why..."

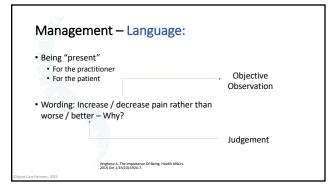
\*In fact, it can make things worse!

Management – Language:

- Make clear no evidence of underlying serious pathology
- Encourage staying active and that their pain does NOT mean they are doing more damage but validate first!

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#### Prescriptions – Simple Rules

- Try to minimize medications:
  - Don't speed recovery
     Can give comfort
  - Can give comfortCommon side effects
- A means to an end
  - Means: reduce pain intensity • End: increase activity
- OTC whenever possible (¿acetaminophen?, NSAID)
- Muscle relaxant if can't sleep d/t pain

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# Prescriptions – Simple Rules

- Topical (capsaicin); patches have little impact
- Heat wrap
- ¿¿Central analgesic or low dose opioid only if: look horrible, no sleep despite muscle relaxer, failed max dose of OTCs??
  - Never Rx for >3 days....
- and let them know why!

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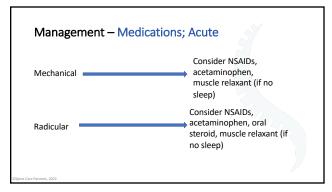
# Common pain conditions for which opioids are almost never indicated

- Fibromyalgia
- Headache
- Self-limited illness, i.e., sore throat
- Uncomplicated back and neck pain
- Uncomplicated musculoskeletal pain

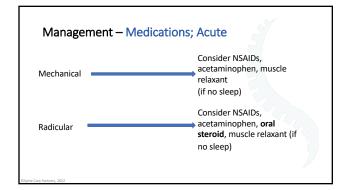
Institute for Clinical Systems Improvement.
Acute Pain Assessment and Opioid Prescribing Protocol. Jan 2014

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Management — Medications; Chronic

Mechanical Important to promote sleep!

Acetaminophen, NSAID if necessary

Mathiesons, et al. Trial of megidant for Acute and Orionic Scattor. The New England purind of medicae. 2017 Mar 23,791(27):1111 200.

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Management —
Distress and Low Self-Efficacy

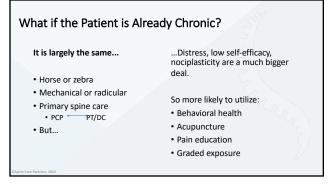
• AND no improvement!\*

• Consider Behavioral Health Referral

• Ideally trained in Cognitive-Behavioral Therapy and/or Acceptance and Commitment Therapy for pain

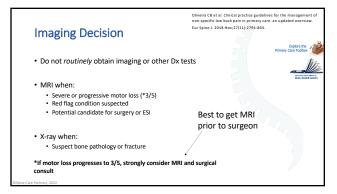
\*Majority improve with primary spine care

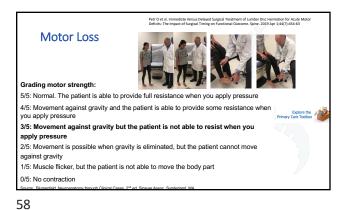
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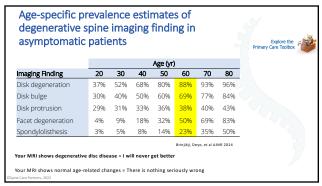
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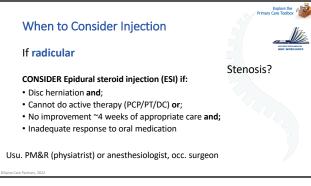


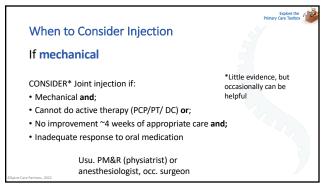
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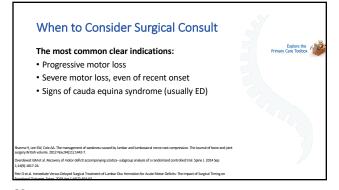




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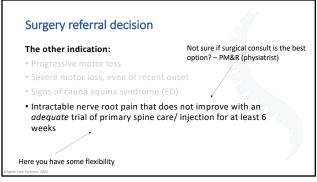


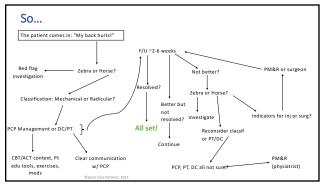






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