Anything new in back pain for the 21st century?

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Conflict of Interest- real or potential

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have no conflict of interest with the contents of this presentation

Objectives

- Name the most frequent cause of chronic LBP based on age of the patient
- Name three exercises that can be taught to patients with LBP
- Name new, up and coming non-surgical treatments for LBP





Fracture Infection Cancer

Non-specific LBP

Cauda equin<mark>a</mark>



IASP



A new kind of pain?

- Nociceptive
- Neuropathic
- Nociplastic?

IASP definition

Nociplastic pain:

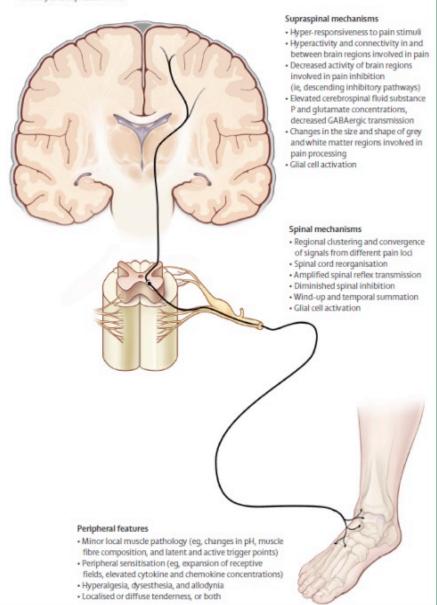
 A third type of pain after nociceptive and neuropathic pain

 Thought to represent confluence of altered function on the periphery and CNS resulting in increased sensitivity

Lancet May 29, 2021

Features of nociplastic pain conditions

- · Combined peripheral and central pain sensitisation
- · Hyper-responsiveness to painful and non-painful sensory stimuli
- Associated features
- Fatigue
- Sleep disturbance
- Cognitive disturbances
- Hypersensitivity to environmental stimuli
- Anxiety and depressed mood



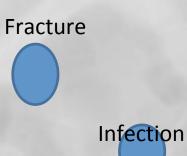
Nociplastic LBP

• Imagine LBP + fibromyalgia construct

 Eg fatigue, sleep disturbance, cognitive disturbance, anxiety-depression, hypersensitivity to environmental stimuli







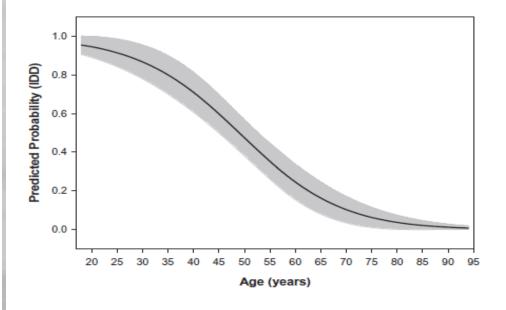
Cauda equin<mark>a</mark>

Cancer



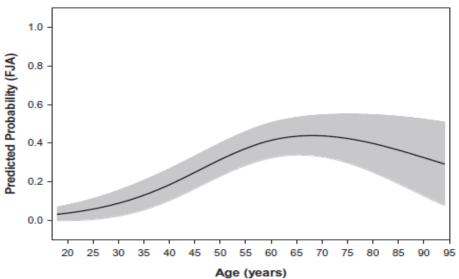
DePalma et al.

Predicted Probability of IDD versus Age (years)

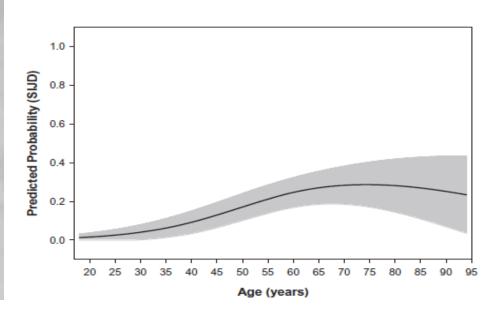


Pain Medicine 2011

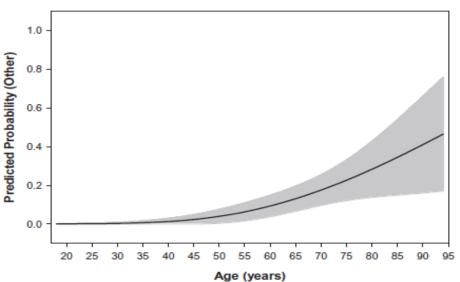
Predicted Probability of FJA versus Age (years)



Predicted Probability of SIJD versus Age (years)

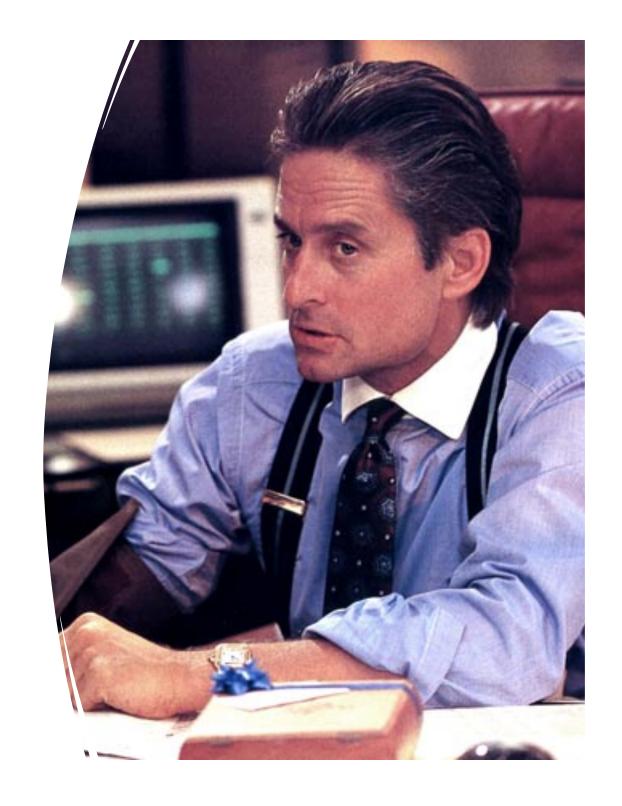


Predicted Probability of Other Source versus Age (years)



Case 1

- 35 year old banker
- No PMHx
- LBP, no sciatica
- 8 years



Case 2

- 70 year old female with LBP
- Refers into buttocks and upper thighs
- X-ray shows DDD and arthritis





Case 3

- 60 year old male
- Right LBP
- Little radiation into his thigh
- Worse with ambulation

THEY SAY DON'T TRY
THIS AT HOME...

@minionslifequotes 🥞

SO I'M GOING
TO GO TO MY
FRIENDS HOUSE
AND TRY IT.



DespicableMeMinions.org

Exercises for LBP

- Squats
- Lunge
- Bird-Dog
- Fast walking



