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## Severe, multi-level spinal degeneration



SİRPA

## MRI report:

"Widespread degeneration throughout the lumbar spine confirming ... sub total spinal block"



Pain for just 10 weeks in total!

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UK National Regulations

Display Screen Equipment

EEC Manual Handling

Research review

★ 18 trials (21,381 employees)

★ Reviewed impact of proper manual handling techniques

Conclusion: No evidence that training and provision of assistive devices prevented LBP (Low Back Pain) when compared to no intervention, or another intervention.

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SIRPA

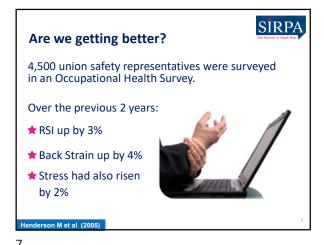
## 'Effect sizes of non-surgical treatments on non-specific low-back pain'

## **Conclusions:**

The effect of treatments for LBP is only small to moderate.

Therefore, there is a dire need for developing more effective interventions.

Keller A (2007)



CONFUSED PERPLEXED DISORIENTED BEWILDERED



What we see is not always what we get!



- ★ Studies show there is no correlation between radiological findings and symptoms
- ★ Distorted perception health professionals only see those people in pain
- ★The tendency is to focus on finding a physical cause – but what is being missed?

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SIRPA Degenerative findings on MRI scans in people with NO pain IMAGING FINDINGS 20 30 Disk degeneration 37% 52% 68% Disk signal loss Disk height loss

19% 04% acet degeneration

Posture - Structure - Biomechanics in back pain



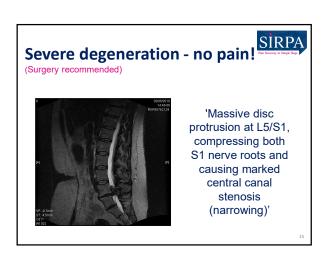
- ★PSB asymmetries and imperfections are normal variations—not a pathology.
- ★Pathomechanics do not determine symptomatology.
- ★There is no relationship between the pre-existing PSB factors and back pain.

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Medication and pain scores over the 6 week SIRPA recovery programme

Medication and pain scores over the 6 week SIRPA recovery programme

Medication specific Masses do promote at 150°s.

Medication for pain of the scores over the following specific management of the scores of the scores over the score

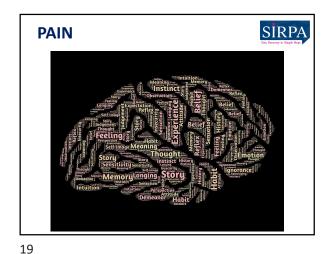
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Facts about pain

SİRPA

- ★ All pain is real there is no such thing as imaginary pain!
- ★All pain is activated by the brain
- ★ Pain can be triggered or generated by tissue damage and also by neural pathways
- ★These are potentially reversible without medical treatment

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UK construction worker - 1995 SÎRPA



SIRPA Why do we have pain? ★ Pain is a warning Pain protects Neural pain pathways can become conditioned



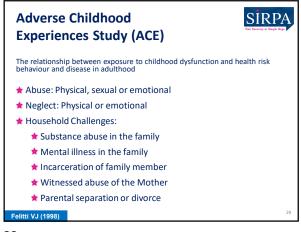




SIRPA Whiplash predicted! In 2001 a study was carried out with a placebo, low-velocity, rear-end collision. They found: ★ Approximately 20% of subjects had whiplash symptoms, even though no potential for injury existed ★ An initial psychological profile test predicted which individuals were most likely to have whiplash symptoms ★ 4 weeks after the placebo collision, 10% of the volunteers had ★ They had been predicted with 90% accuracy by their initial psychological profiles

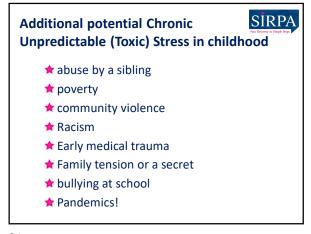
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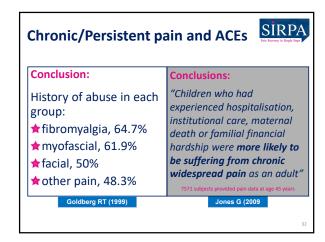
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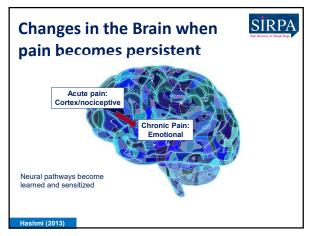
SIRPA **ACE Studies - Conclusions** ★ The categories of ACEs were strongly interrelated and people with a higher ACE score were likely to have multiple health risk factors later in life. ★ The number of categories of ACEs showed a graded relationship to the presence of adult diseases including: neart disease \* autoimmune disease \* cancer \* chronic pain migraines etc.

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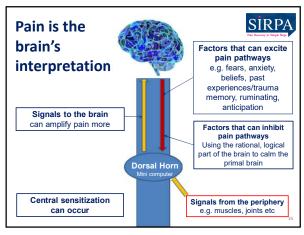


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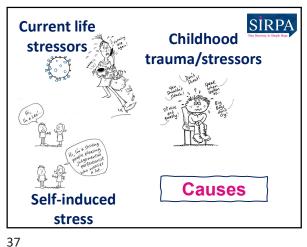


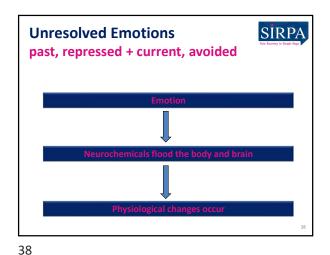
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**Triggers** SIRPA Can be due to associations, such as: ★ Anniversaries ★ Places **★** Times ★ Person Reactivating a memory of a sense – smell, sound etc ★ Belief – e.g. sitting for long periods will injure my back, repetitive typing will cause pain ★ An activity – while stressed

SIRPA **Treatment Principles Emotional** 

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