

# Invasive procedures in pain treatment

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- Interventional Pain Management are some minimally invasive procedures which gives permanent/long term pain relief.
  - It fills the gap between pharmacologic management of pain & more invasive operative procedure.



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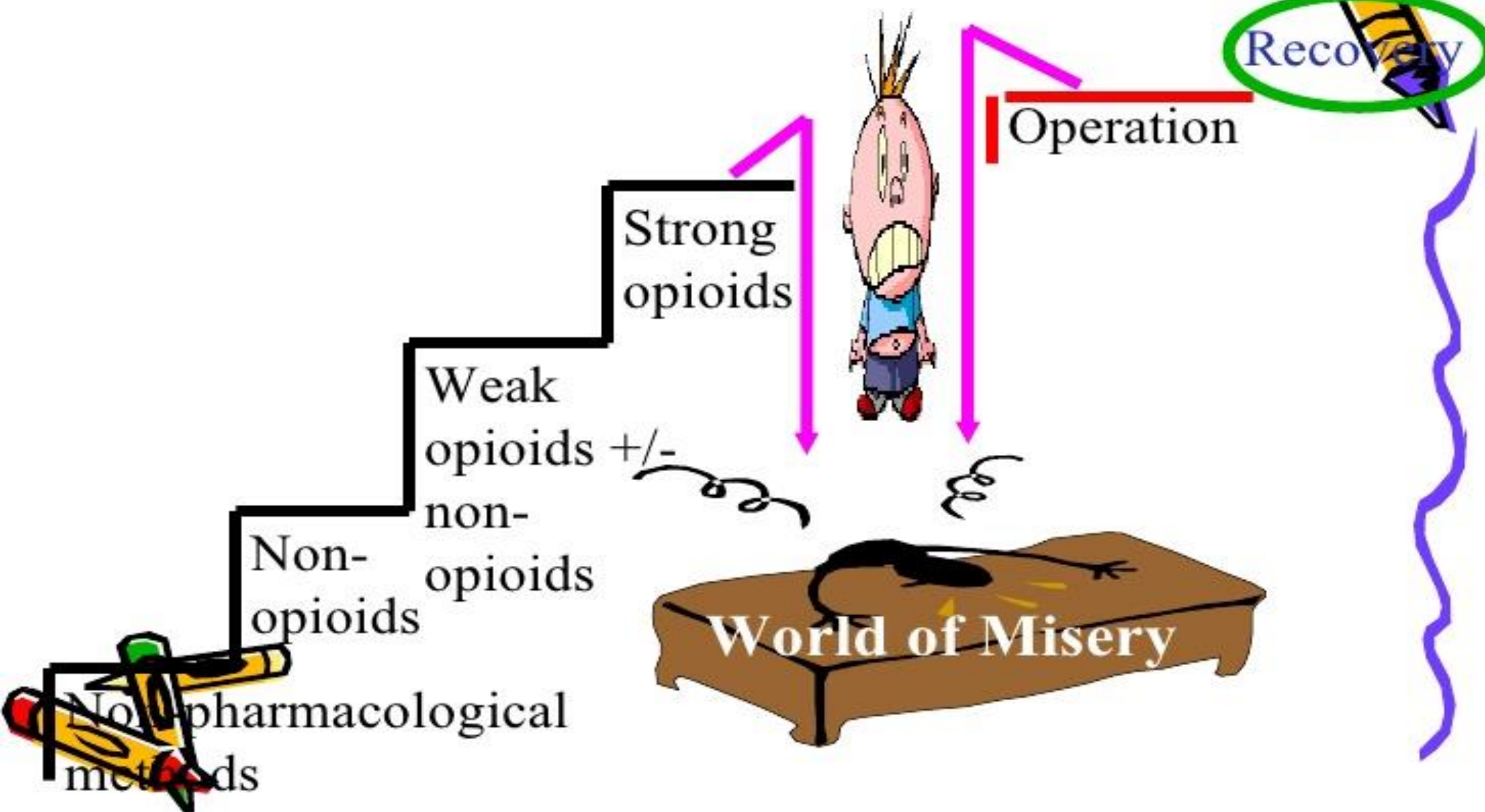
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# What is interventional pain management ?

- **Interventional pain management or interventional pain medicine** is a super-specialty of the medical specialty pain medicine, devoted to decrease or eliminate pain with use of invasive & non invasive techniques
  - This can be accomplished in following ways:
    - ▣ Interrupting the pain signal along a neural pathway
    - ▣ Remodeling anatomical source of pain
    - ▣ Neuroaugmentation (SCS, PNS)
    - ▣ Implantable drug delivery system

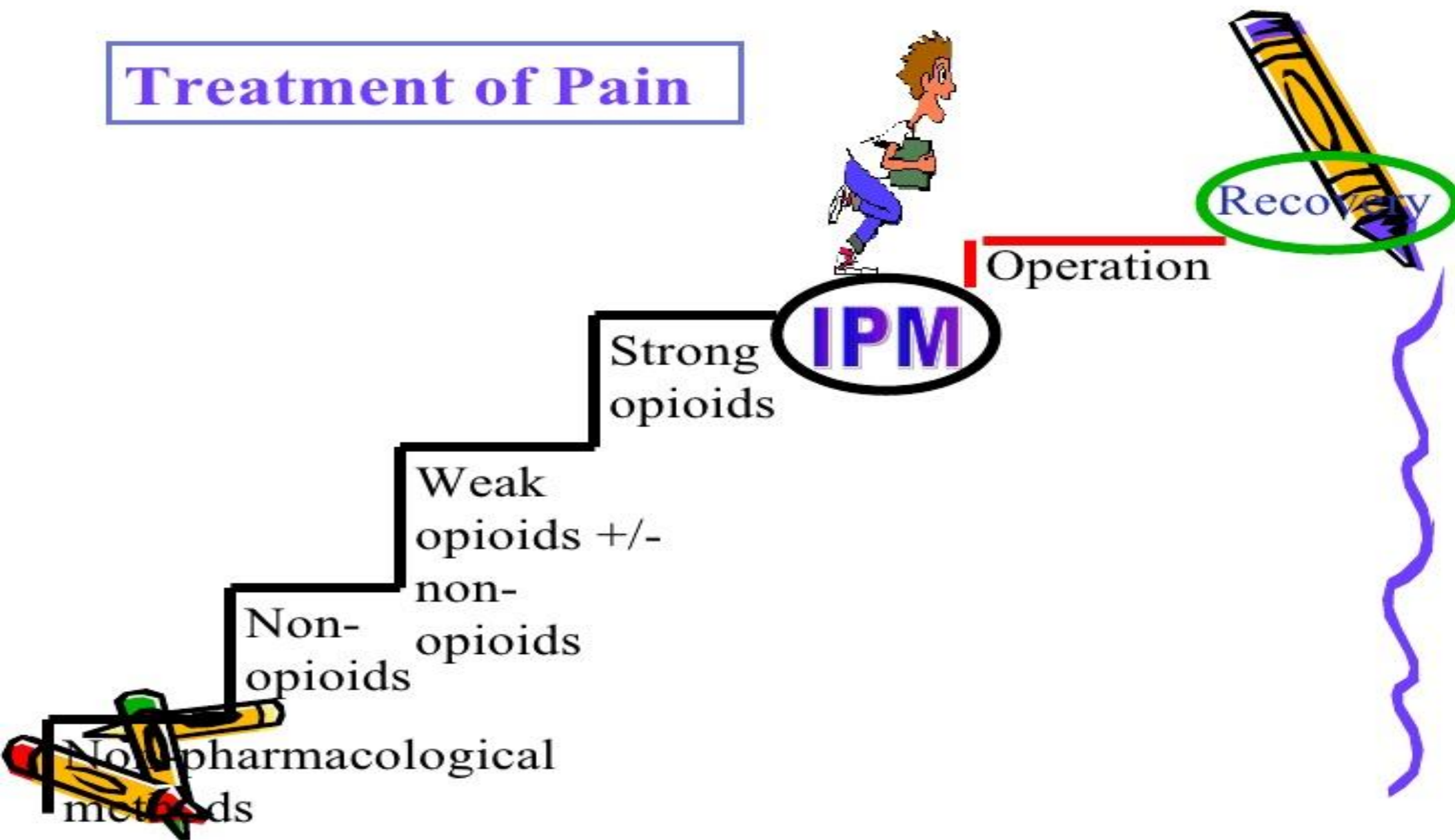
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# Treatment of Pain





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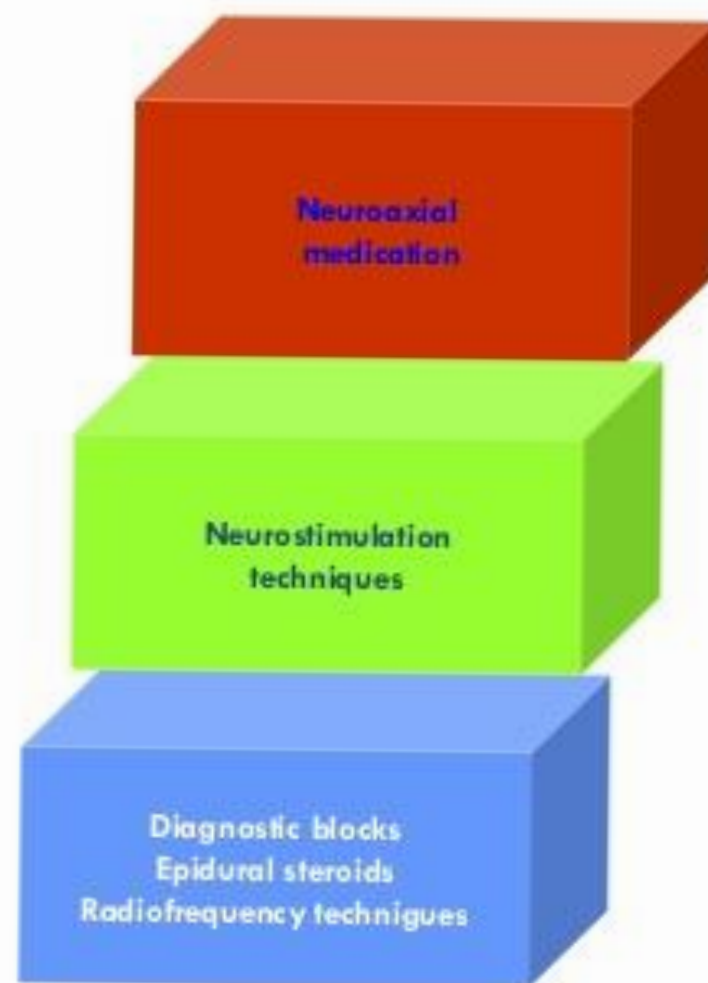
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# Treatment ladder (Modified....)

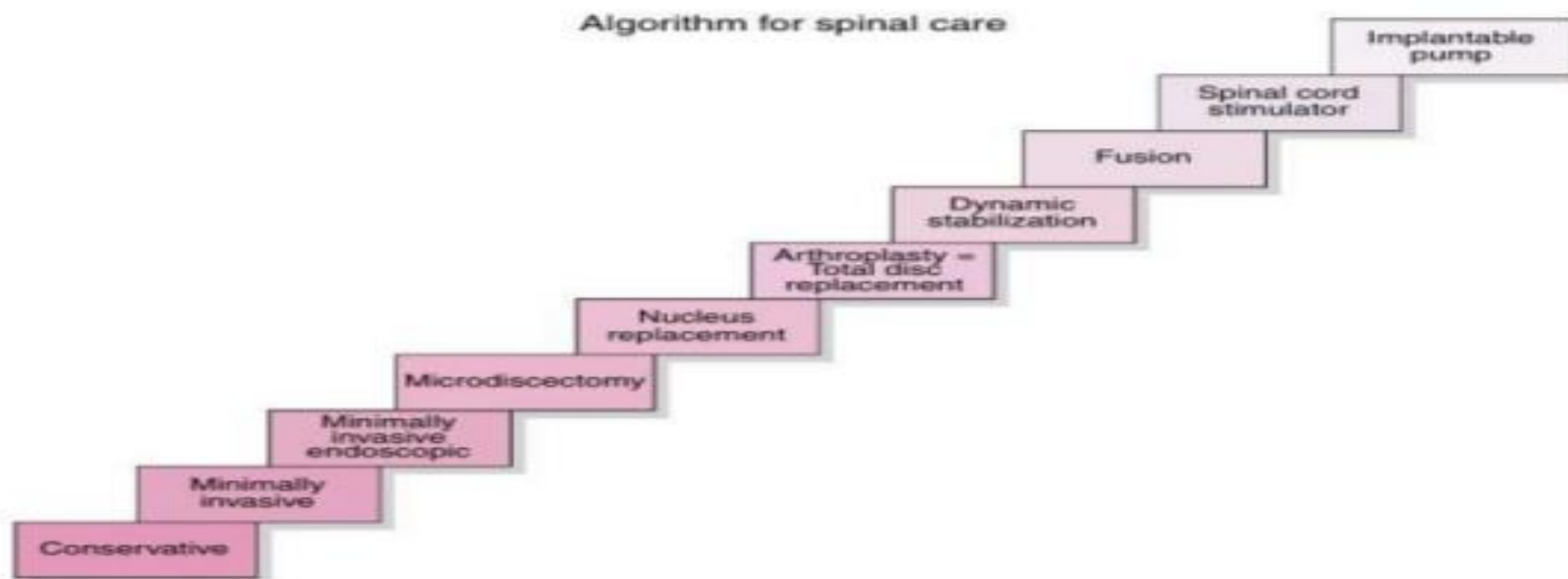
## The Chronic Pain Treatment Continuum



## Interventional Therapies



# STEP UP ALGORITHM

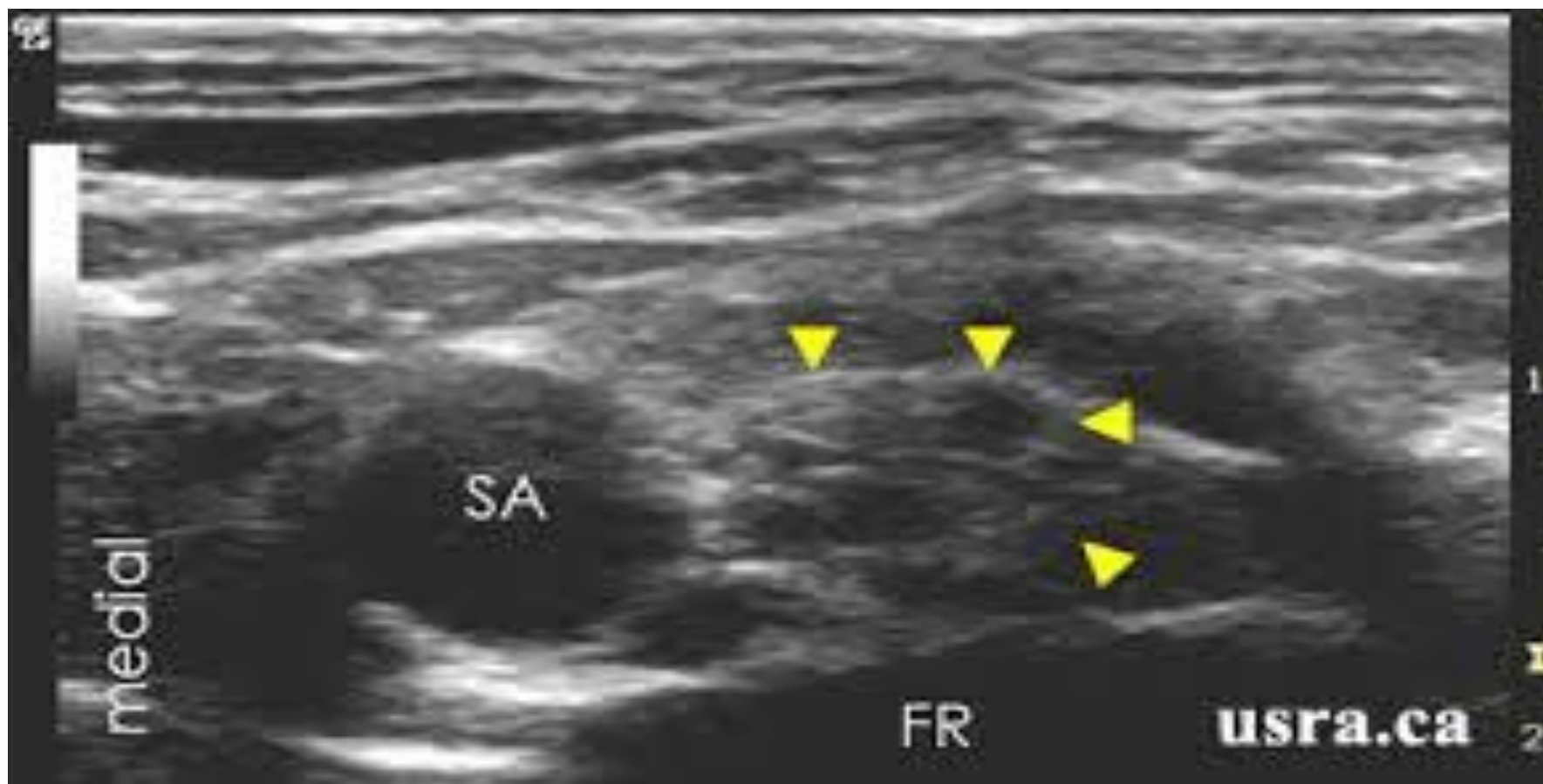


- ❑ North american spine society guidelines 2014
- ❑ Minimally Invasive spine techniques "Daniel Kim"

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# Acute pain management



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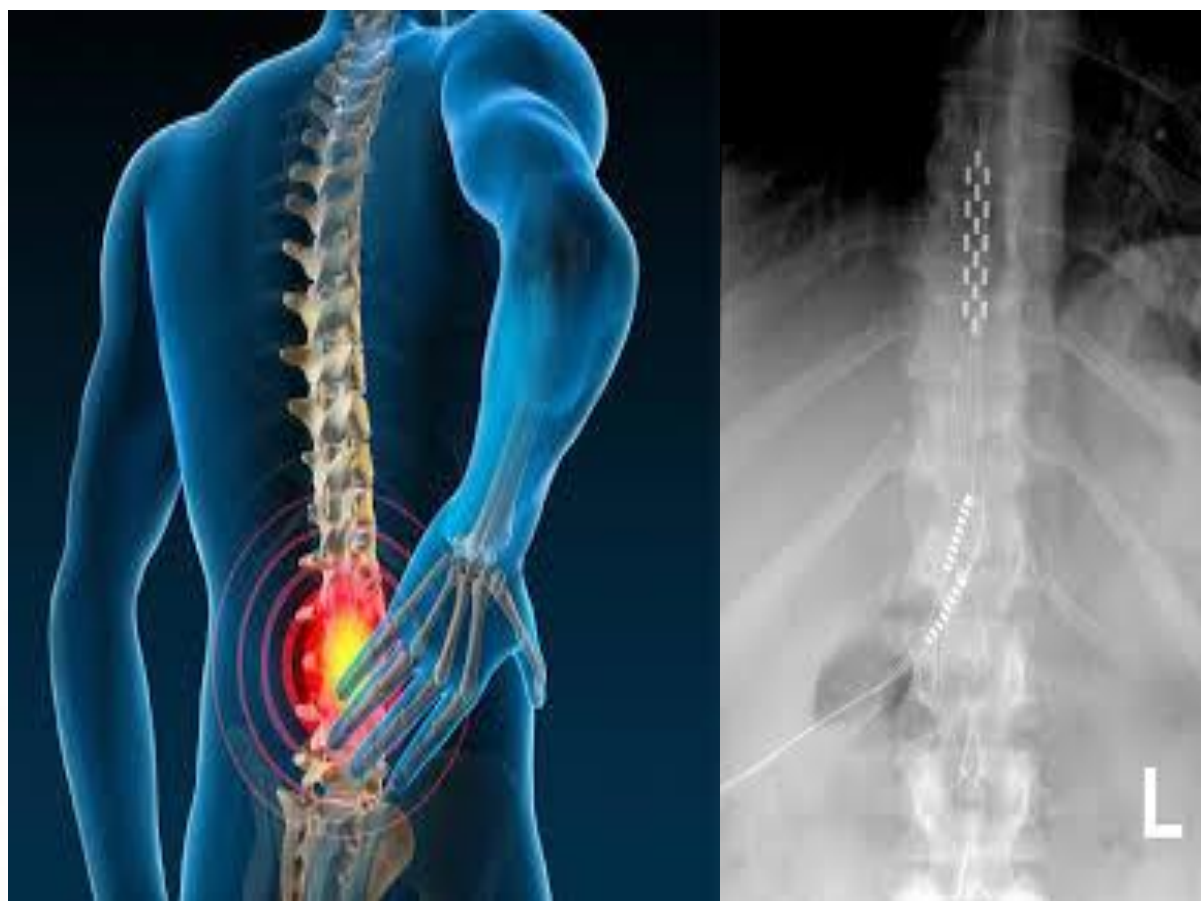
# Radiofrequency Ablation



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# Spinal Cord Stimulation



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# Implantable intrathecal infusion pump

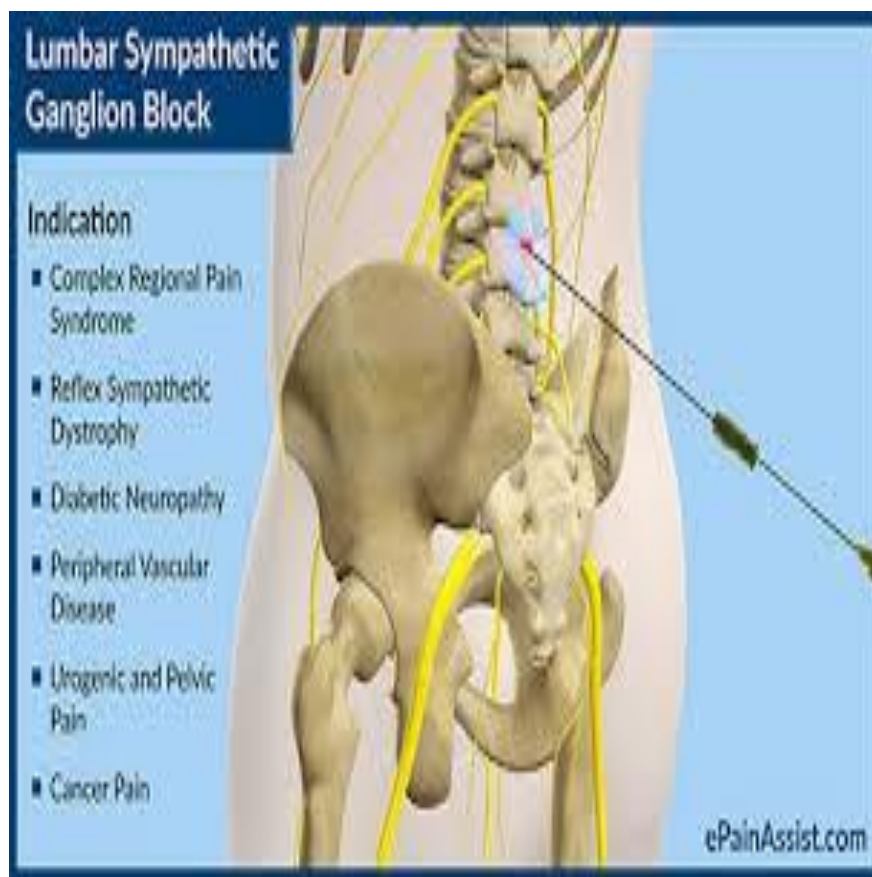


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# Sympathetic nerve block



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# Trigger point injection



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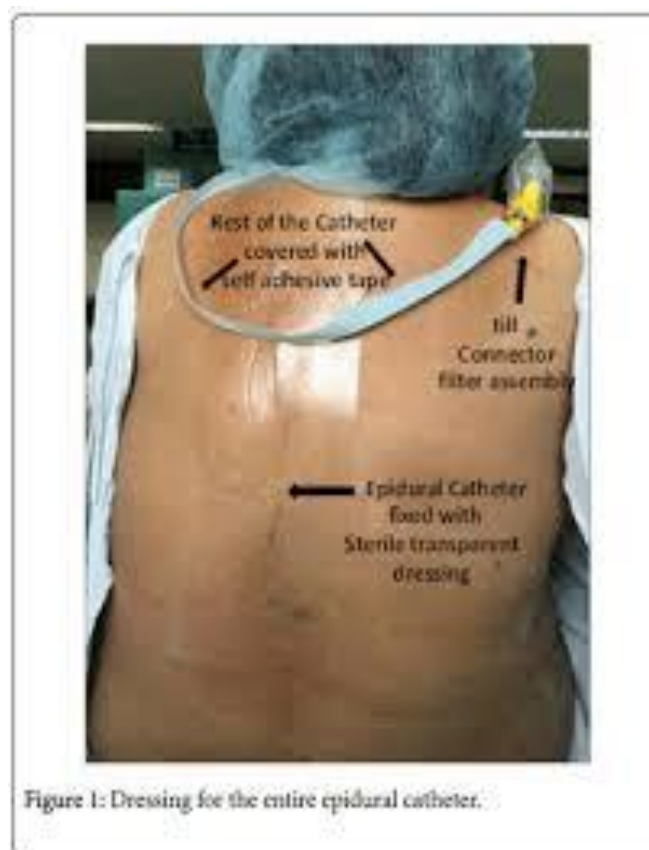
# Deep brain stimulation



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# Epidural nerve block



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# Epidurolysis



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# Conclusion

## Summary

- Interventional Pain Management are some minimally invasive procedures which gives permanent/long term pain relief.
- It fills gap between pharmacologic pain management & more invasive operative management.
- Interventional Pain Management may work in situations where all other options have failed.



# Hvala



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