

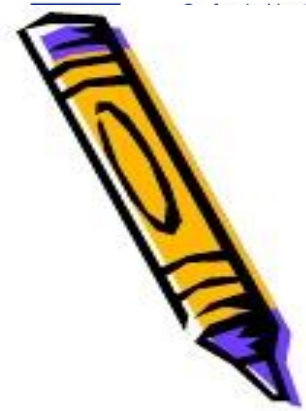
PAIN MANAGEMENT INVASIVE PROCEDURES

Prof. Dr D.Golić
UKC RS Banjaluka

Tuzla, 02.11.2019.

Project number: 585927-EPP-1-2017-1-RS-EPPKA2-CBHE-JP (2017 – 3109 / 001 – 001)

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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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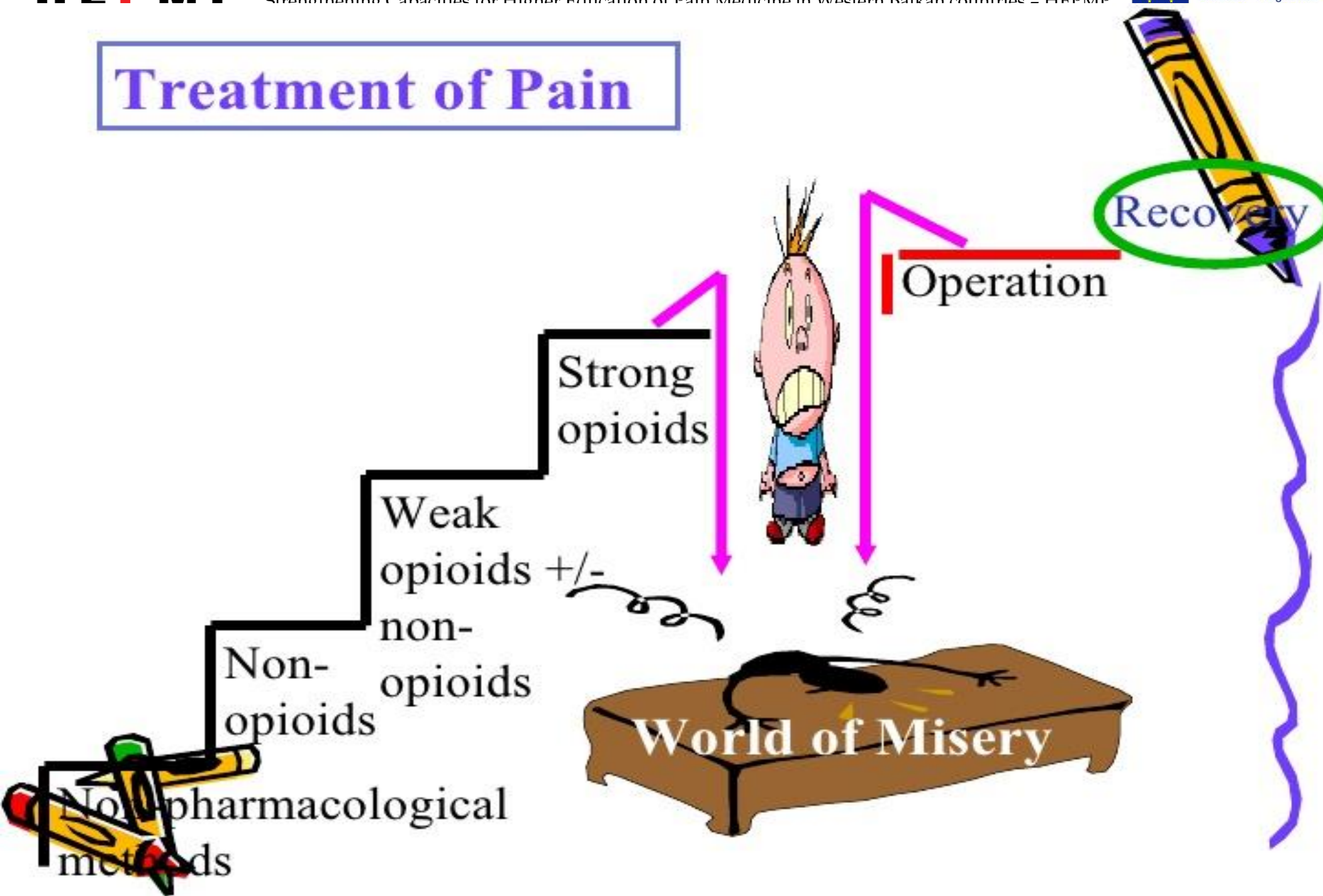
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What is interventional pain management ?

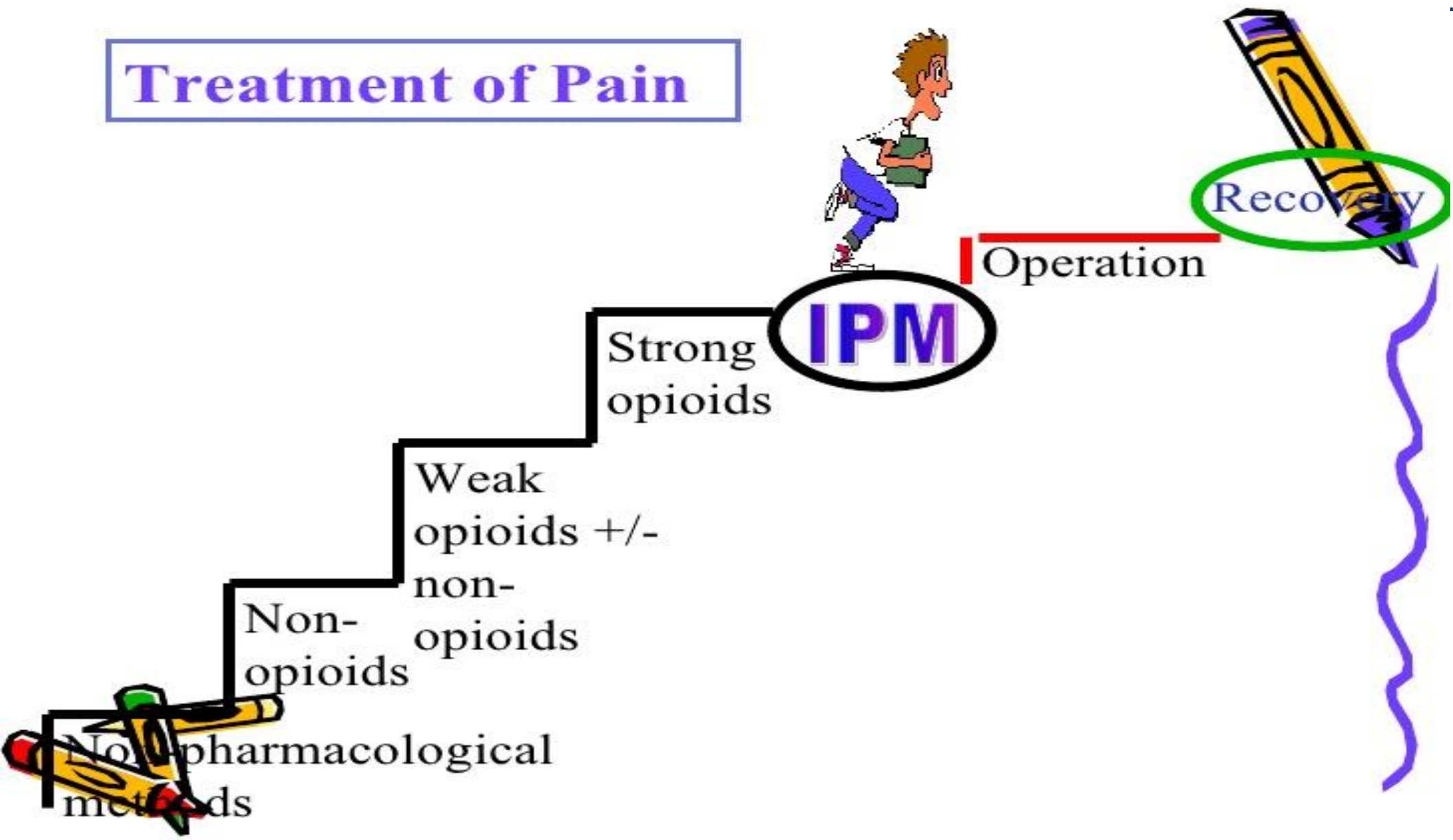
- **Interventional pain management or interventional pain medicine** is a super-specialty of the medical specialty pain medicine, devoted to decrease or eliminate pain with use of invasive & non invasive techniques
 - This can be accomplished in following ways:
 - Interrupting the pain signal along a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

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Treatment of Pain



Treatment of Pain

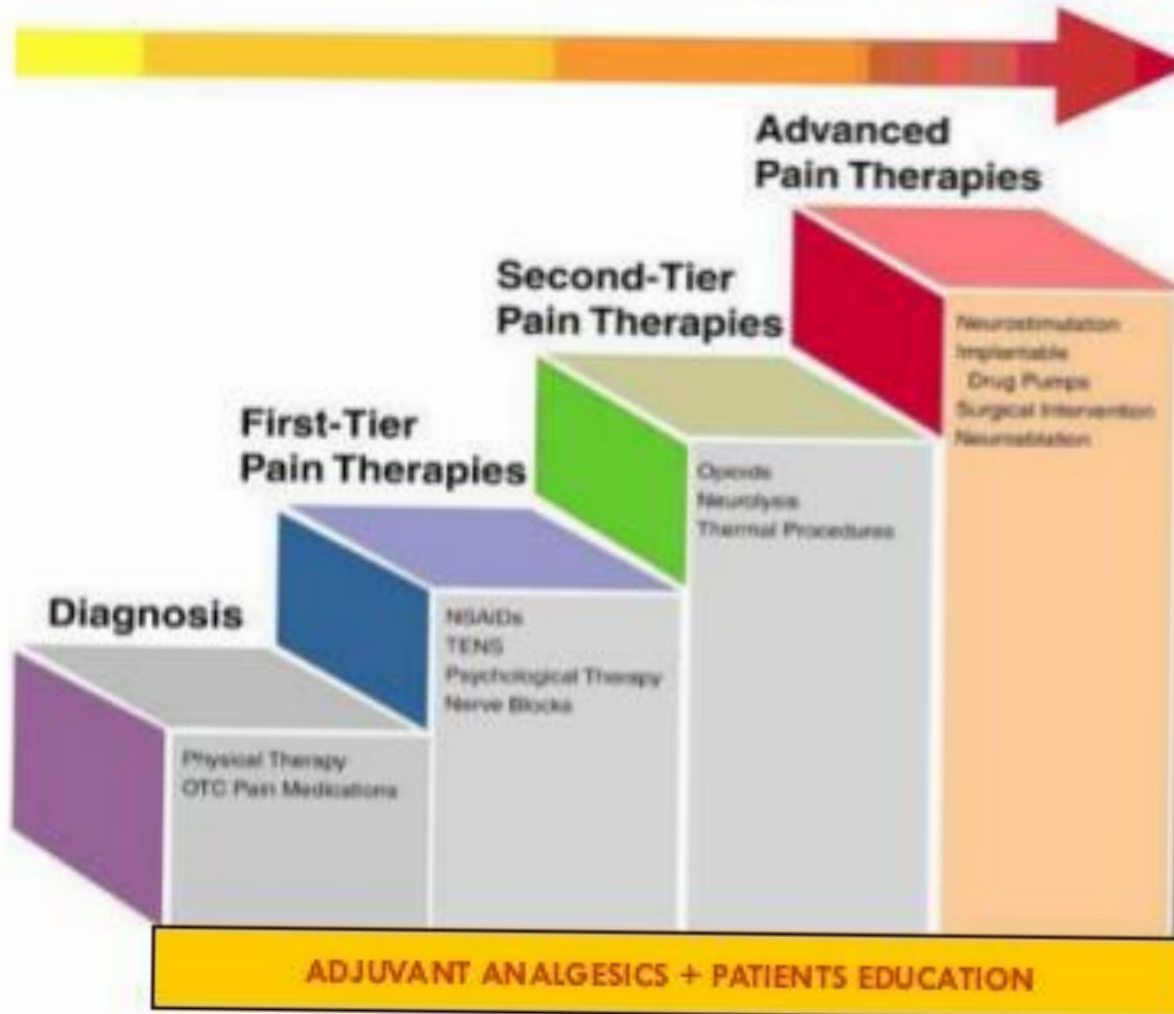


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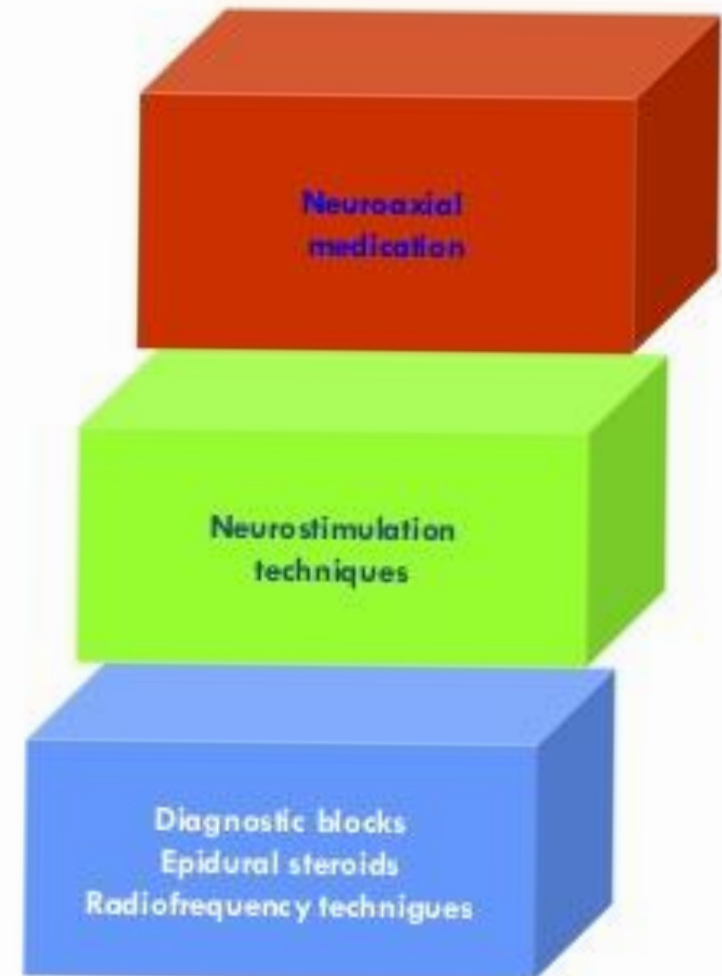
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Treatment ladder (Modified....)

The Chronic Pain Treatment Continuum

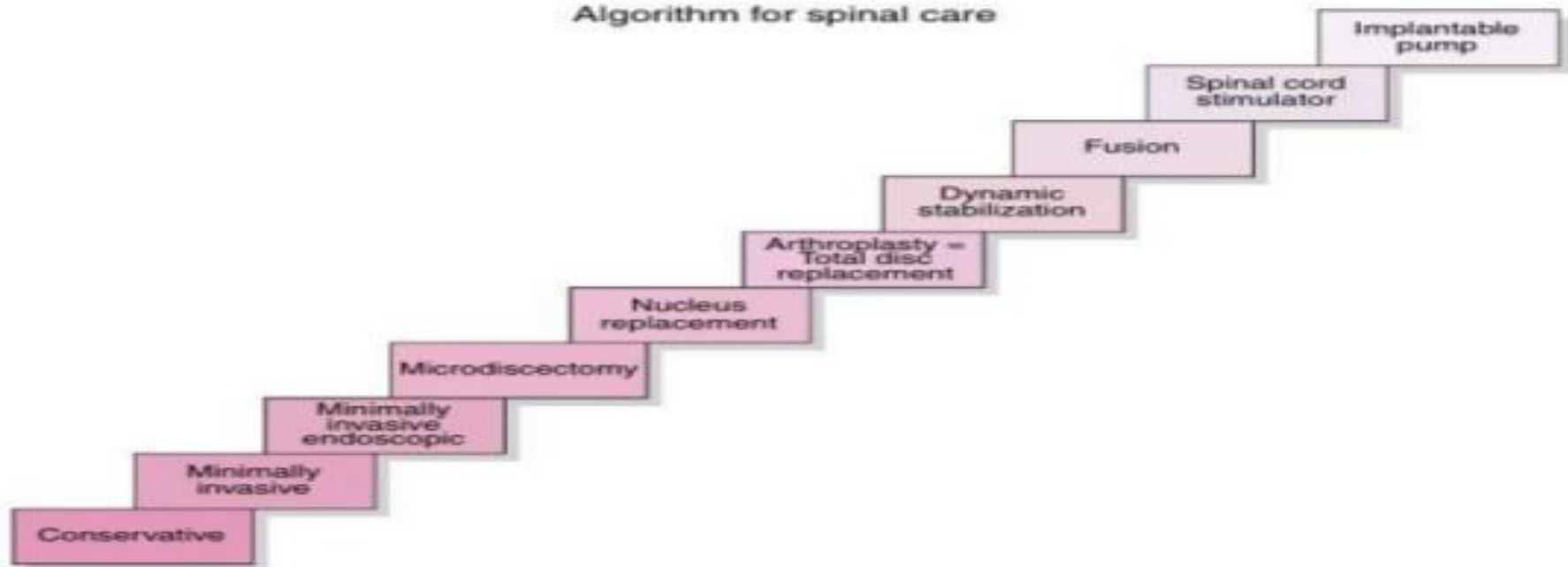


Interventional Therapies



STEP UP ALGORITHM

Algorithm for spinal care

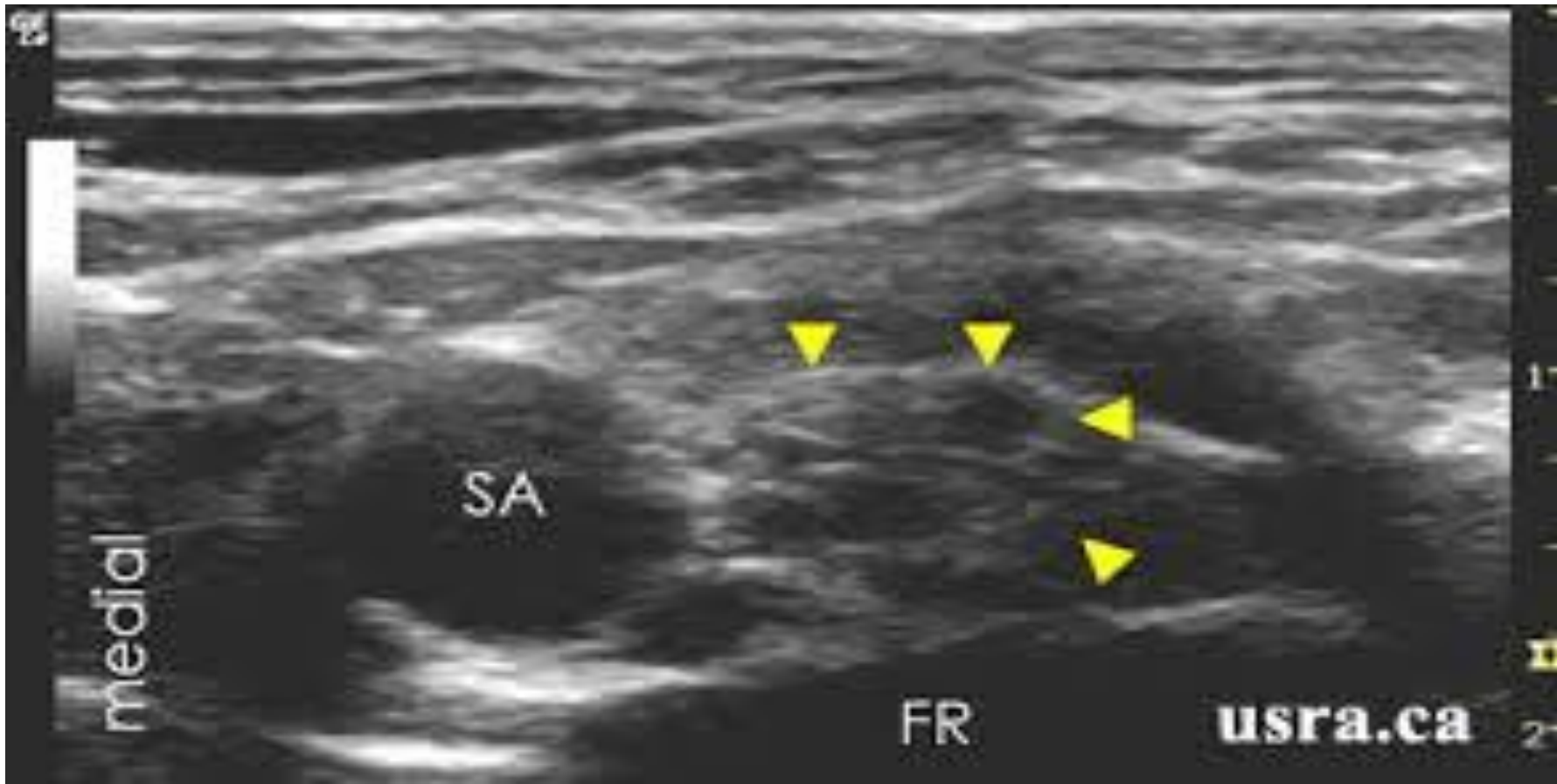


- ❑ North american spine society guidelines 2014
- ❑ Minimally Invasive spine techniques "Daniel Kim"

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Acute pain management



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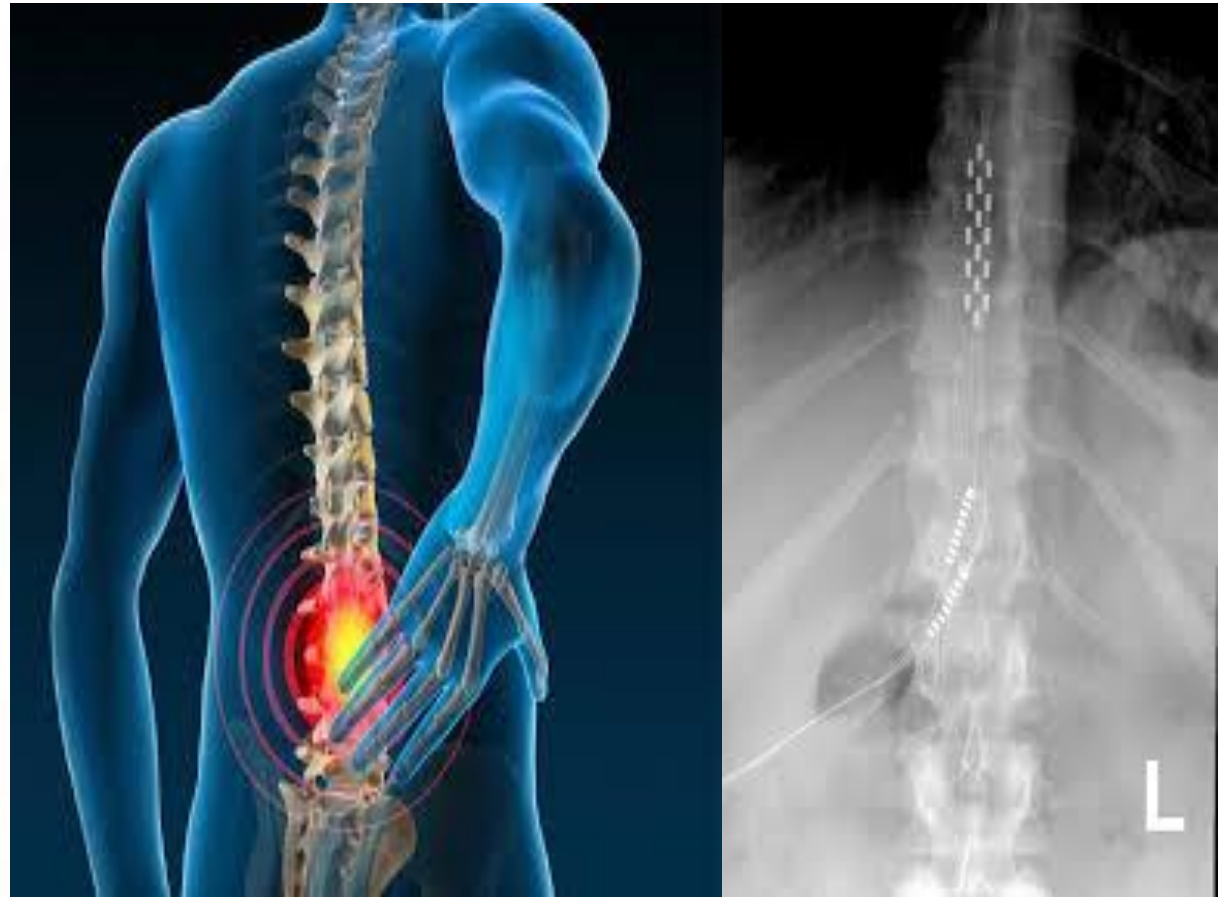
Radiofrequency Ablation



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Spinal Cord Stimulation



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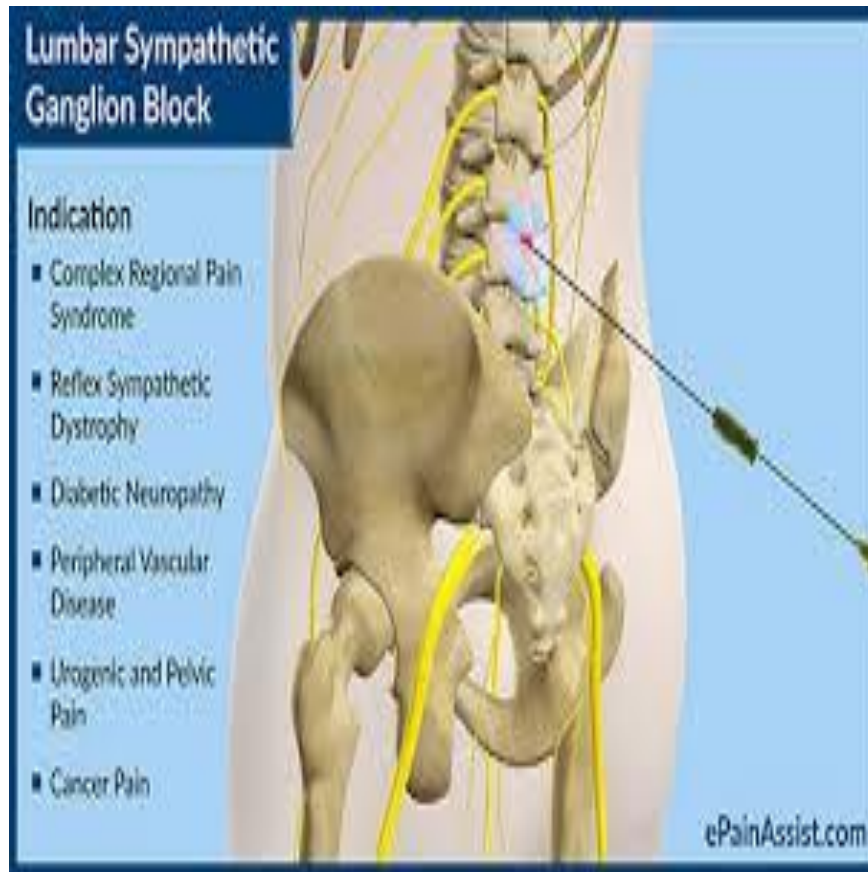
Implantable intrathecal infusion pump



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Sympathetic nerve block



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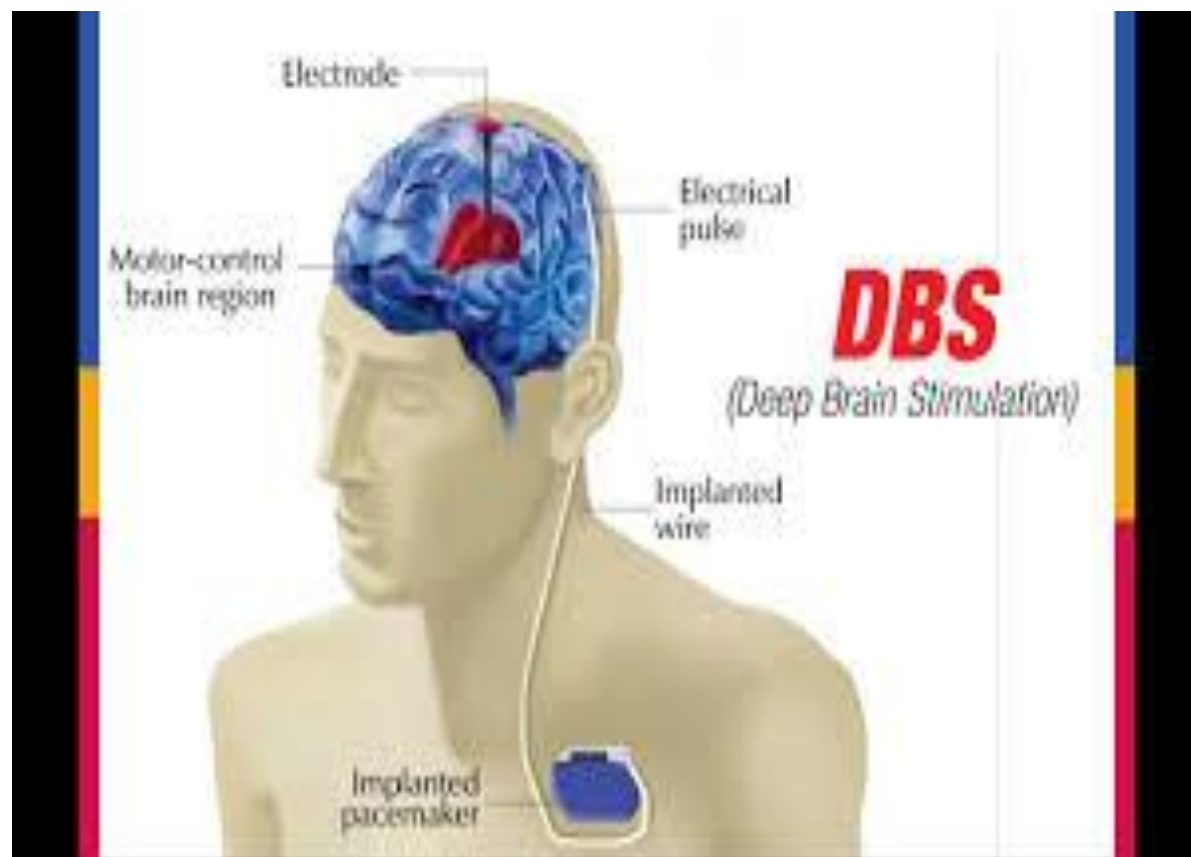
Trigger point injection



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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.



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Hvala



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