

### SPORTS MEDICINE CENTER Dear Defension

# What Is Pain?

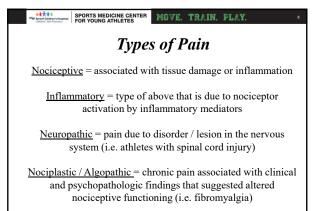
Pain = "unpleasant sensory and emotional experience associated with actual or potential tissue damage"

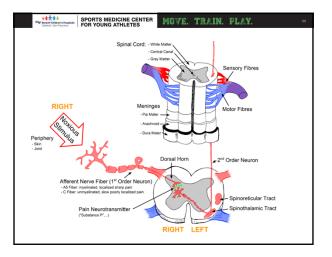


### SPORTS MEDICINE CENTER FOR YOUNG ATHLETES MOVE. TRAIN. PLAY.

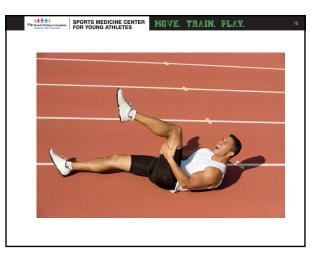
# Types of Pain

- Important to remember that acute pain *can* become chronic pain if not treated appropriately
- Clinician's goal is to identify the root cause of pain, address tissue damage, and prevent development of chronic pain and/or altered function

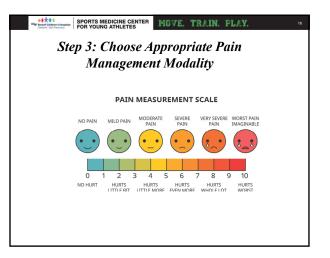


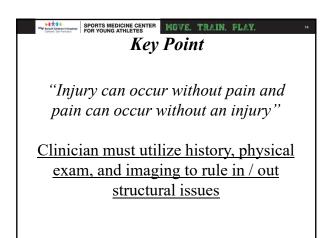


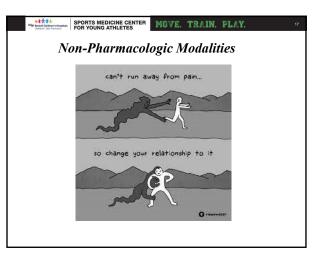




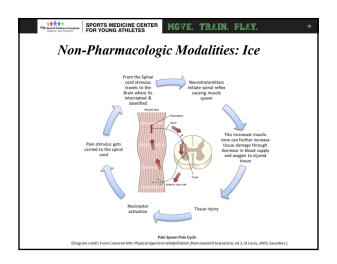


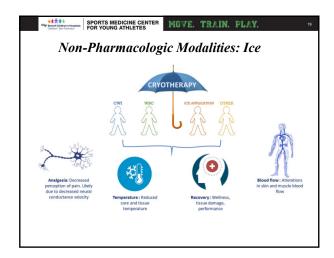










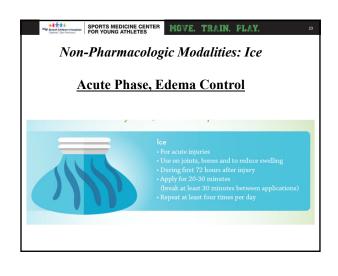




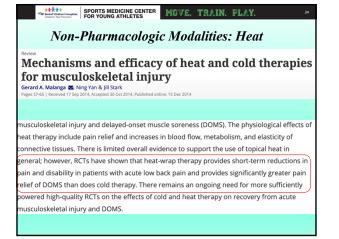
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## Conclusion

Cryotherapy, NMES and sEMG are recommended for inclusion into rehabilitation protocols following arthroscopic knee surgery to assist with pain relief, recovery of muscle strength and knee function, which are all assemila to accelerate recovery. CPM is not warranted in postoperative protocols following arthroscopic knee surgery because of its limited effectiveness in returning knee range of motion, and additional studies are required to investigate the effects of ESWT.



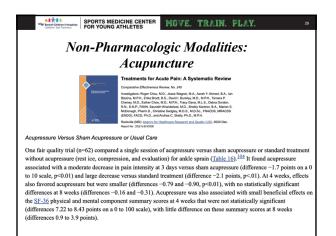














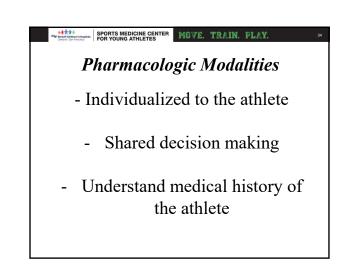
The Role of Ultrasound Therapy in the Management of Musculoskeletal Soft Tissue Pain

Emmanuel S. Papadopoulos, MSc, PhD, SRP (UK)<sup>®</sup>, Raj Mani, DSc, PhD, FACA, FIPEM, CCSol First Published August 28, 2020 | Review Article | Find in PubMed | Corect Ser updates

tissue injury healing. Based on the evidence presented, TUS is clinically effective in some musculoskeletal soft tissue pain conditions, but due to conflicting results in some studies, no specific positive recommendations can be made, nor does it permit exclusion of TUS from clinical practice. In phonophoresis, TUS plays a significant role, without reported adverse effects. There is scope for improving the evidence base with better designed studies.



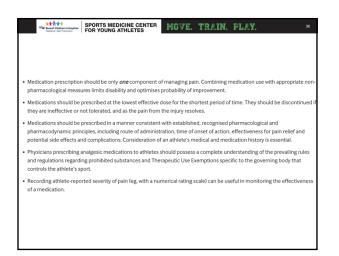


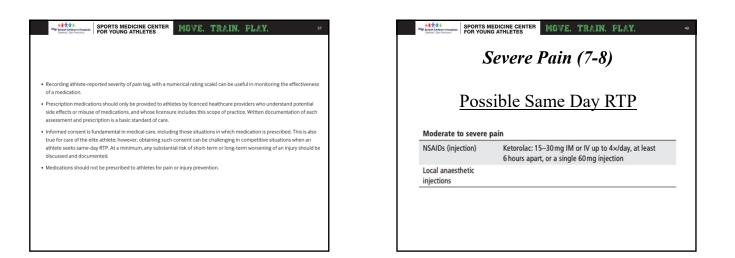


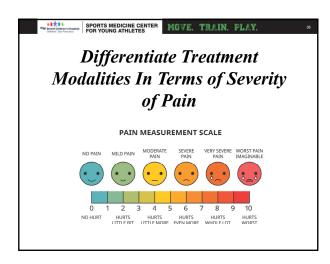


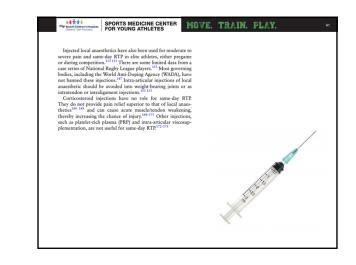






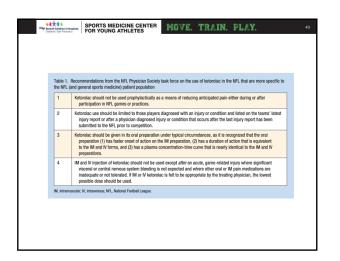


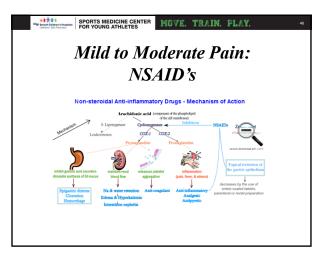




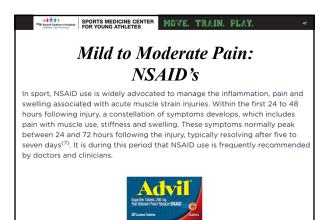






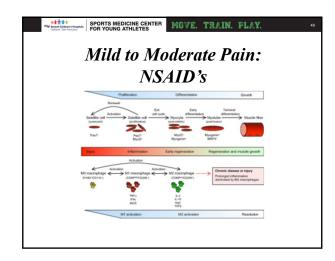










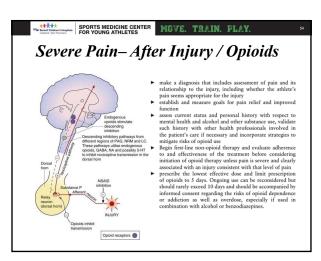


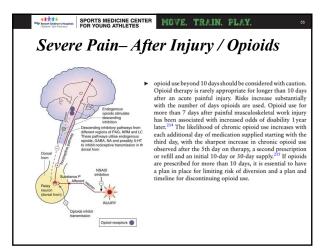


Age range	Chance of GI bleed in any	Chance of dying from GI bleed in
<b>(years)</b> 16-45	2,100	any one year due to NSAID use
45-64	646	3,800
65-74	570	3,353
≥ 75	110	647





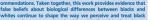


















• ACL tears and large meniscal tears / OCD Lesions

# Can I Play Through the Pain?

SPORTS MEDICINE CENTER MOVE. TRAIN. PLAY.

- No swelling, full motion, full strength, complete functional activities
- •No structural damage but pain will last longer



- •Minor risk of structural damage
- •Major risk of structural damage

