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Multidisciplinary Approach to Pain Management

Dr. Hess

Board Certified in Pain Management
Board Certified in Anesthesiology

9/20/2019

"Pain is multidimensional in terms of what causes it, what alters it and what effects it, and there is no one magic bullet for most chronic pain problems."

Catherine Bushnell, PhD, scientific director of the division of intramural research at the National Center for Complementary and Alternative Medicine (NCCAM)

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What is Pain?

- · Pain is always subjective.
- The patient's self-report of pain is the single most reliable indicator of pain.
- The clinician must accept the patient's self report of pain.

"An unpleasant sensory and emotional experience associated with actual or potential tissue damage, or described in terms of such damage."

- International Association for the Study of Pain (Merskey, 1979)

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Acute Pain

- Acute pain presents most often with a clear cause, relatively brief in duration and subsides as healing takes place.
- Acute pain is often accompanied by observable, objective signs of pain; such as,
 - increased pulse rate
 - increased blood pressure
 - Non-verbal signs and symptoms such as facial expressions and tense muscles.

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Chronic Pain

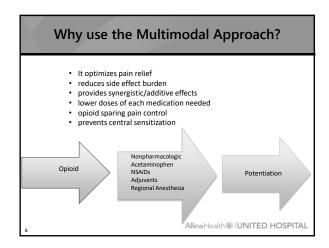
- Pain that is persistent and recurrent.
- When pain persists it serves no useful purpose and may dramatically decrease the quality of life and function.
- Chronic pain rarely has any observable or behavioral signs; although, persons may appear anxious or depressed.

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Pain Management Approach

- Should be interdisciplinary and multimodal.
- Care is individualized and may depend on:
 - Pain source and intensity
 - Patient's age
 - Developmental, physical, emotional and cognitive status
 - Cultural beliefs
 - Treatment preferences
 - Concurrent medical conditions

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Multimodal Analgesia

- This term describes the use of multiple modalities that are used to provide pain relief with various parts of the pain pathway targeted.
 - Decreased dependence on single modality agents decreases the risk of side effects.
 - May include:
 - Pharmacological (opioids, NSAIDS, gabapentanoids)
 - Relaxation techniques (biofeedback, deep breathing)
 - Regional analgesia (nerve blocks, epidural catheters)

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Analgesic Therapy Concepts



- Based on rational combinations of optimal doses of
 - different analgesics
 - · different routes of delivery
- Provides a way to achieve safer and more effective, opioidsparing pain management



- Use of multiple medications or more than are therapeutically necessary
- Using multiple medications from the same class or similar MOA
- <u>Potentially inappropriate,</u> <u>excessive administration of</u> <u>medications</u>

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Categories to Multimodal Approach Allina Health & UNITED HOSPITAL

Treatments May Include

Non-pharmacologic Methods Pharmacologic Methods

- Heat/cold
- Relaxation
- Distraction
- Guided imagery
- Acupressure/acupunctureRepositioning
- NSAIDS
- Anti-seizure medications
- Anti-depressants
- Opioid analgesics
- Local anestheticsNeurolytics

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Acute vs. Chronic Pain Management

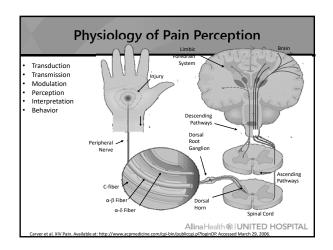
Acute Pain

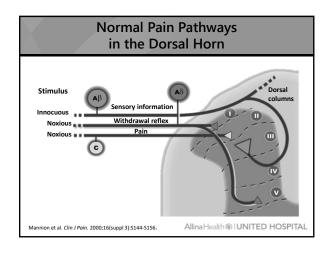
- Most often treated with:
- NSAIDS
- Opioids
- Local anesthetics
- Splinting
- Positioning changes
- Ice
- PT/OT and warm pool therapy

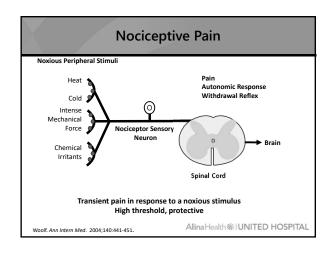
Chronic Pain

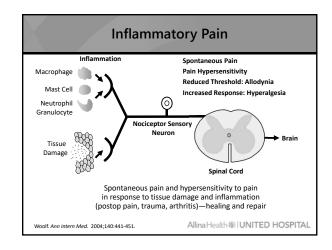
- Most often treated with:
 - Anti-seizure medications
 - Anti-depressant medications
 - NSAIDS
 - Implantable devices
 - Psychological therapy
 - Acupuncture
- When all else fails and benefits outweigh the risks:
 - Opioids

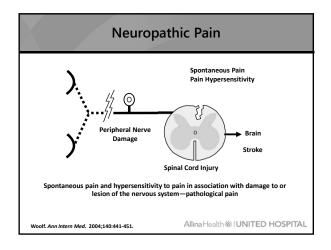
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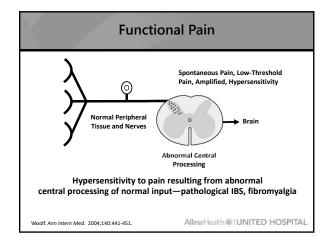


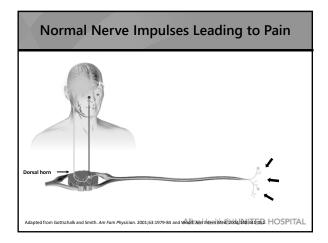


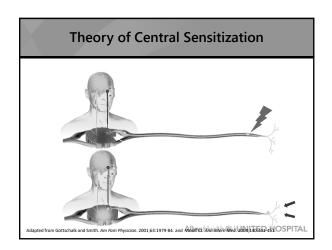












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How does United Pain Center employ a multidisciplinary approach to pain management?

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United Pain Center is a hospital-based outpatient clinic that provides comprehensive services using a multidisciplinary approach for individuals experiencing chronic and acute pain. United Pain Center opened in 1993 to offer high quality, multidisciplinary services to patients.

Members of the treatment team include Anesthesiologists; Physicians specializing in pain management, Nurse Practitioners, Physician Assistants, Psychologist, Biofeedback Therapist, Acupuncturist, Social Workers and Registered Nurses.

The staff team works together with patients to reduce their pain and improve the level at which they function.

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Services Available

United Pain Center has many different resources available to help patients manage their pain and improve their quality of life. These services include:

- Diagnostic and therapeutic injections, such as nerve blocks and epidural steroid injections
- Medication Management
- Biofeedback Therapy
- Psychological assessment and support
- Acupuncture
- Social Work support
- Inpatient pain consultations at United Hospital

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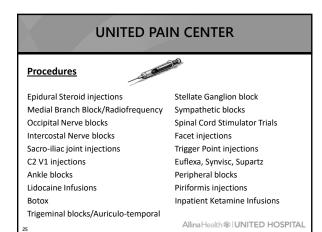
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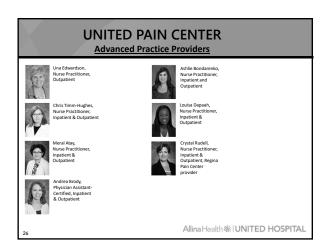
Common Types of Pain Issues Treated

- Myofascial Pain
- Neuropathic pain
- Post Herpetic Neuralgia
- Headache
- Complex Regional Pain Syndrome/Reflex Sympathetic Dystrophy
- Cancer pain
- · Complex chronic pain problems
- Spine Care

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UNITED PAIN CENTER **Anesthesiologists** Provider at Regina Pain Center Regina Pain Center Board eligible Board Certified in Anesthesiology Pain Certification, American Board of Anesthesiology Allina Health 爺 I UNITED HOSPITAL





Evaluation and Management Services Physicians and Advance Practice providers work together to offer patients chronic and acute pain evaluations, care plan recommendations, and follow up services to continue to improve pain and quality of life. Treatment plans may include medications, warm pool therapy, complimentary therapies, injection therapy, mental health support, and Social Work services (we do not certify patient's for Medical Cannabis).

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Inpatient Pain Consultation Service

Six Advanced Practice Providers are available to complete inpatient pain assessments/follow up visits to reduce pain and improve outcomes and patient experience

Chris Timm-Hughes, Nurse Practitioner Meral Atay, Nurse Practitioner Crystal Rudell, Nurse Practitioner Andrea Brody, Physician Assistant- Certified Ashlie Bondarenko, Nurse Practitioner Louisa Dappah, Nurse Practitioner

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SOCIAL WORK







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The Social Workers are available to assist providers and patients with resources during visits. This helps to ensure our patients have psychosocial and basic living needs met to improve quality of life and reduce stressors.

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PSYCHOLOGY



Efrat Eichenbaum, Ph.D, L.P. Psychologist

A fellowship-trained rehabilitation psychologist, which means she specializes in working with individuals with chronic health conditions or disability (chronic pain, traumatic brain injury, smoking, insomnia, spinal cord injury, amputation).

Provides pre-surgical psychological screenings for Spinal Cord Stimulation candidates.

She uses empirically-supported practices (approaches that have been proven by research to be effective) because they provide the best chance for recovery. She most often use Cognitive Behavioral and Mindfulness-Based therapies.

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ACUPUNCTURE



Tama Almquist, L.Ac, MTOM, BAN, CRRN

Licensed Acupuncturist and practitioner of Traditional Chinese Medicine.

Traditional Chinese Medicine.

Tama received a Masters of Traditional Oriental Medicine in 1989 from the Pacific College of Oriental Medicine, San Diego, CA. She is board-certified by the National Certification Commission of Acupuncture and Oriental Medicine (NCCAOM) and is licensed by the Minnesota Board of Medical Practice. In addition she holds a Bachelor of Arts in Registered Nursing from the University of St. Catherine along with certification Rehabilitation Nursing. She specializes in the treatment of chronic pain, stress management, and the promotion of holistic preventive health and is practitioner of Chinese Tui Na Massage.

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Cindy Heppner, Biofeedback Therapis

Cindy has been with United Pain Center for 20+ years and providing biofeedback services for 18 years specializing in chronic pain and anxiety.

BIOFEEDBACK

Biofeedback helps patients understand their physiological responses to pain and anxiety.

and anxiety"



Jonathan Wagner, Biofeedback Therapist

"With education and coaching we are able to teach patients techniques that help them manage, and control their pain

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