

Multidisciplinary Approaches to Cancer Symposium

Opioid Sparing Pain Management Strategies for Cancer Patients

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Disclosures

- I do not have any relevant financial relationships.

This presentation and/or comments will provide a balanced, non-promotional, and evidence-based approach to all diagnostic, therapeutic and/or research related content.

The off-label/investigational use of Buprenorphine sublingual films/tablets will be addressed.

To prescribe opioids or not to prescribe.....

Quality of life linked to length of life

Guidelines have opioids as mainstay of management

75-90% of patients with advanced disease experience cancer pain

Undertreatment prevalent in 40% of cancer patients and significantly higher in underrepresented populations

Chronic cancer pain is experienced by 30-50% of patients under active antineoplastic therapy

CANCER PAIN

Risk for harm

Prescribing responsibility

Regulations and guidelines

Opioid epidemic



Goal



Integrate an opioid sparing approach to effectively treat cancer pain.

Framework for Approach

2023 NCCN Guidelines- General Principles of Cancer Pain Management

Optimal use of disease-specific therapies

Survival is linked to symptom control and pain management

Analgesic therapy is done in conjunction with management of multiple symptoms and symptom clusters (sleep, nausea, anxiety, etc.)

Engage a multidisciplinary team (Palliative/supportive care, pain anesthesia, radiation oncology, interventional radiology)

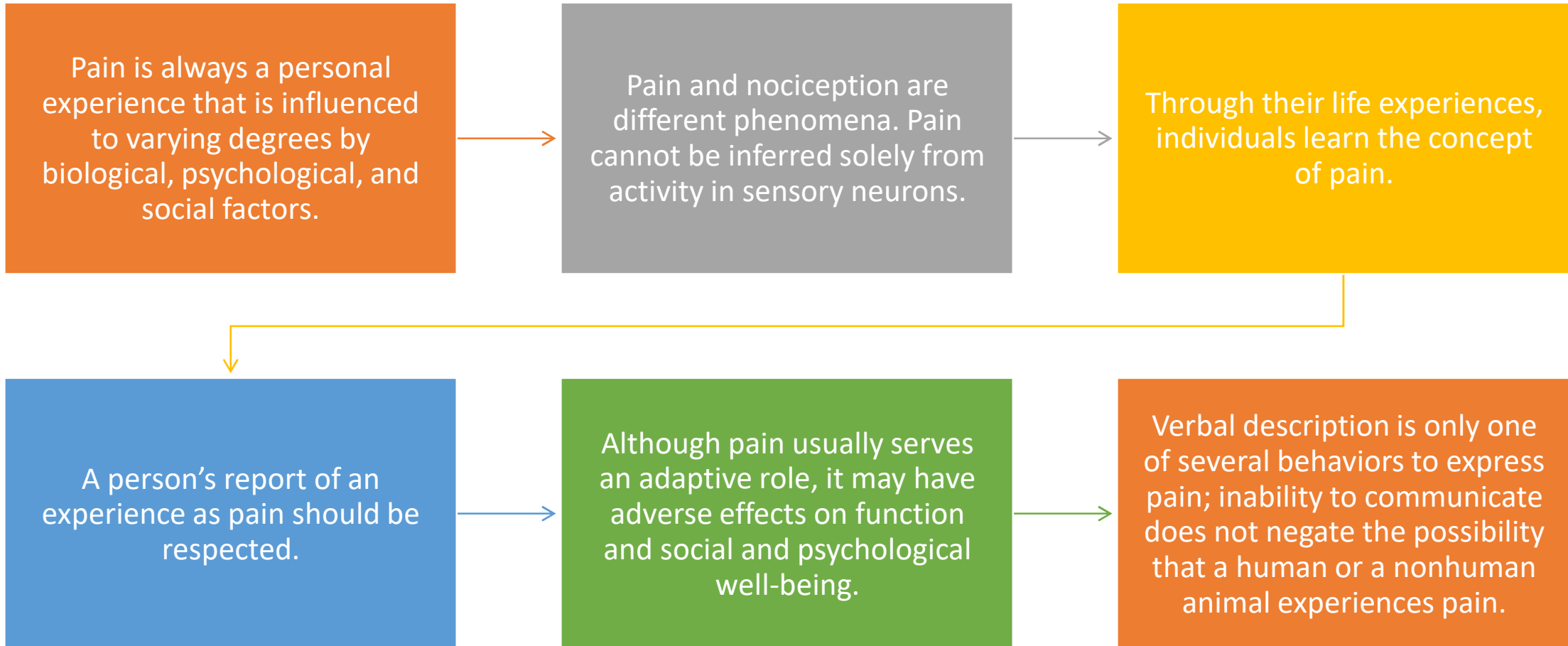
Provide accessible education material to improve pain assessment, pain management and the safe use of analgesics

Shared decision making

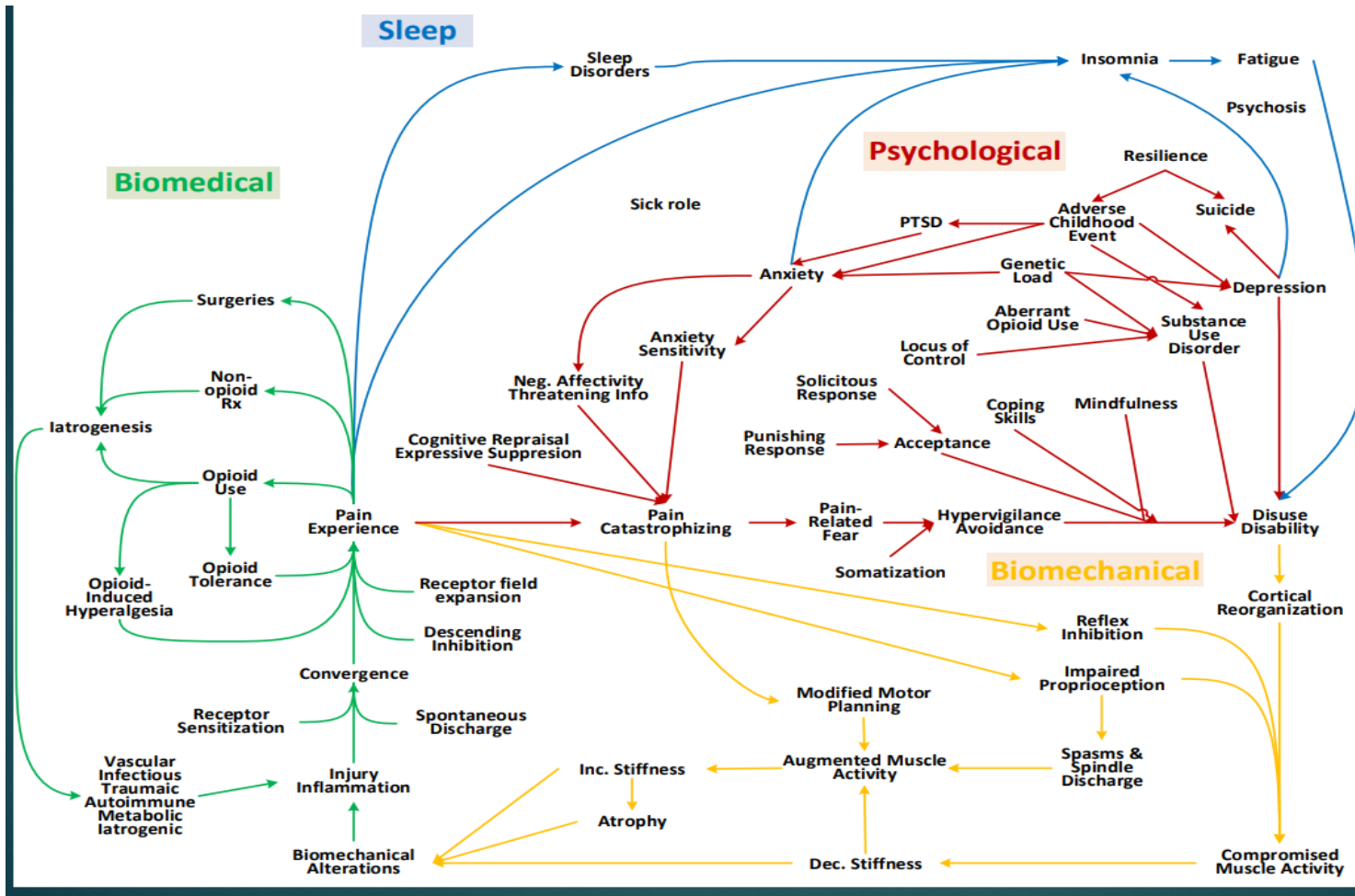
Address the multidimensional impact of “suffering” on patients and caregivers in a culturally respectful manner

*****GOALS OF CARE*****

Pain



Complexity of Pain (BioPsychosocial Model)



Types of pain

Nociceptive pain (purposeful pain): caused by stimulation of nociceptors (pain receptors for a tissue injury) * pure mu agonist opioids often indicated for management of **severe** pain

- Visceral: internal organs
(pressure/aching/squeezing/cramping)
- Somatic: skin, joints, connective tissues, bones
(aching/gnawing sensation/ deep or superficial)

Inflammatory pain: caused by inflammatory factors *pure mu agonist opioids not indicated

Neuropathic pain (nonpurposeful pain): damage to or dysfunction of the nervous system *pure mu agonist opioids not indicated

- Burning/freezing/numbness/tingling/shooting/stabbing/electrical shocks

Functional pain (dysfunctional pain): often ill defined- non-neuropathic/non-inflammatory *pure mu agonist opioids not indicated

Pain

Acute pain: < 3 months, typically a cause/injury

Assessment: Physical exam, diagnostics, comprehensive pain assessment if new or worsening pain, appropriate **pain scale**, caregiver perspective

Management: Often includes a pure mu agonist opioid as tool for severe pain management



Gap in the cancer pain guidelines!



Chronic pain: > 3 months, persists after original injury heals

Assessment: Physical exam, +/- diagnostics, **functional pain scale**, caregiver perspective

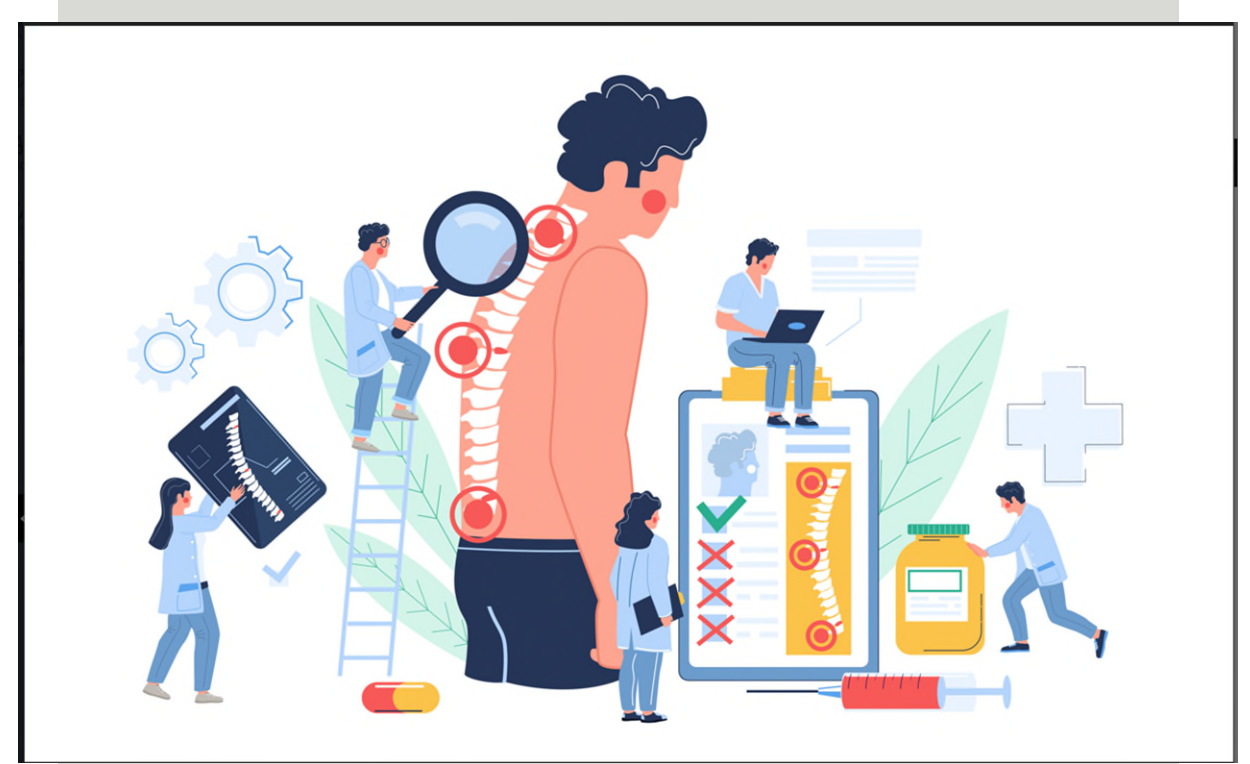
Management: Less focus on opioid as the primary tool for pain management

Functional Pain Scale

Functional Pain Scale (FPS)					
0	1	2	3	4	5
No Pain	Tolerable activities not prevented	Tolerable prevents some active activities	Intolerable prevents many active activities	Intolerable prevents all active and many passive activities	Intolerable incapacitated, unable to do anything or speak due to pain

Assessing Beyond PQRST- the pain experience

- Meaning and consequences of pain for patient/family/caregiver
- Patient and family/caregiver knowledge and beliefs about pain and pain medications
- Cultural beliefs toward pain, pain expression, and treatment
- Spiritual, religious considerations, and **existential suffering**
- Psychiatric history
- Family and other support
- Goals and expectations towards pain management
- Assess for integrative therapies
- Assess risk of opioid misuse/diversion
- Providing education on pain and coping
- Providing education on medications used to treat pain



Multimodal Pain Management

Medications or interventions

Non-opioid analgesics

Acetaminophen
Oral NSAIDs (with caution)
Topical NSAID (diclofenac gel
or patch)

Adjuncts

Glucocorticoids
Antidepressants
Muscle relaxants*
Anti-seizure medications
Osteoclast inhibitors

Interventions

Celiac plexus block/neurolysis
Intrathecal pump
Palliative radiation
TPIs/Blocks

Multimodal Pain Management

Integrative interventions

Cognitive modalities

CBT
MSBR
Imagery
Hypnosis
Biofeedback
Acceptance-based training
Distraction training
Relaxation training
Active coping training

Nutritional modalities

Nutrition consult
Dietary recommendations

Physical modalities

Bed, bath, and walking supports
Positioning instruction
Energy conservation, pacing of activities
Massage
Heat and/or ice
TENS

Integrative Medicine for Pain Management

Society for Integrative Oncology-ASCO Guidelines

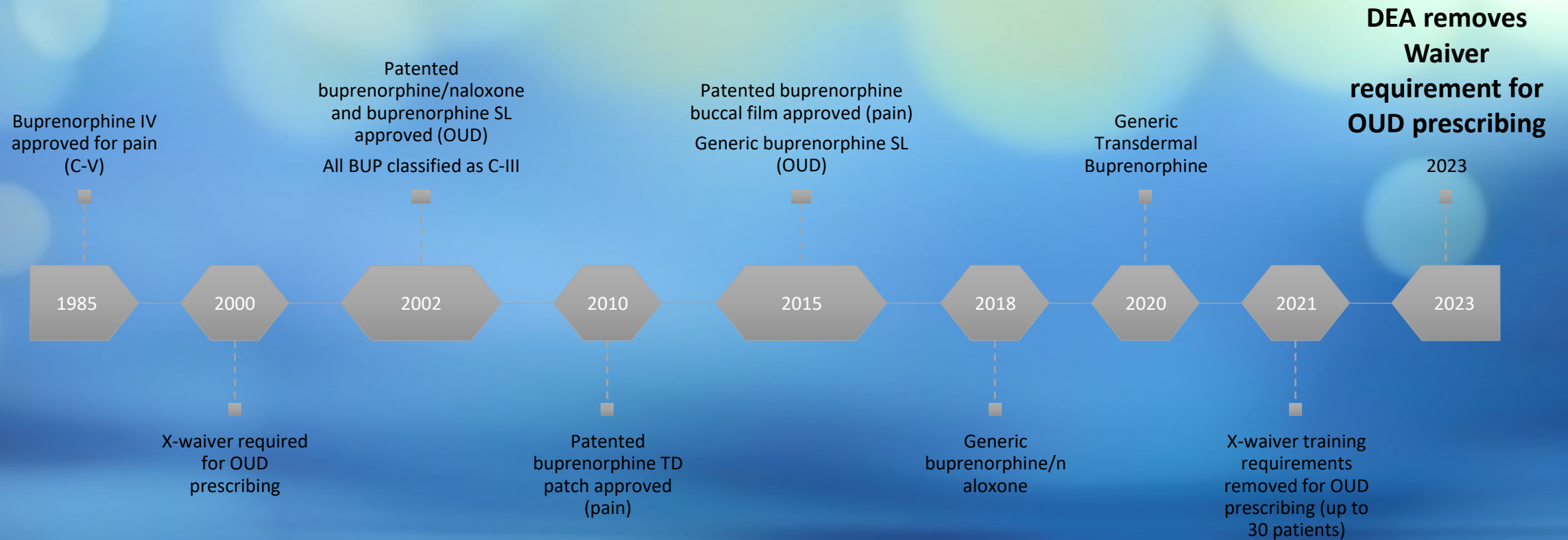
- **Acupuncture** and **yoga** should be offered to patients experiencing Aromatase inhibitor-related joint pain in breast cancer
- **Acupuncture** may be offered to patients experiencing general pain or musculoskeletal pain from cancer
- **Reflexology** or **acupressure** may be offered to patients experiencing pain during systemic therapy for cancer treatment
- **Massage** may be offered to patients experiencing chronic pain following breast cancer treatment
- **Hatha yoga** may be offered to patients experiencing pain after treatment for breast or head and neck cancers
- **Guided imagery** with progressive muscle relaxation may be offered to patients experiencing general pain from cancer treatment
- **Acupuncture, acupressure, or reflexology** may be offered to patients experiencing chemotherapy-induced peripheral neuropathy from cancer treatment
- **Hypnosis** may be offered to patients experiencing procedural pain in cancer treatment or diagnostic workups
- **Acupuncture or acupressure** may be offered to patients undergoing cancer surgery or other cancer-related procedures such as bone marrow biopsy
- **Music therapy** may be offered to patients experiencing surgical pain from cancer surgery

When it is time for an opioid.....consider Bup



Bupra What?

Bup over time



When it is time for an opioid.....

- Consider buprenorphine as a tool for stable cancer associated pain and/or those with history or high risk of OUD or AUD.
- Buprenorphine is a partial mu agonist opioid; thus, you get the benefits for pain relief with less opioid side effects.
 - **LESS** sedation, risk of hyperalgesia, risk of addiction, respiratory depression, constipation, effects on hormones, immunosuppression, impact on Sphincter of Oddi, withdrawal symptoms
 - No dose adjustment needed for patients with renal failure/renal insufficiency
 - Safer for older adults
 - Buprenorphine transdermal has been suggested to be safe and effective in patients with cancer pain and can be started in opioid-naïve patients
 - Schedule III drug (due to safety profile)
 - Can still use a short- acting pure mu agonist opioid (morphine, oxycodone, hydromorphone) for breakthrough pain
 - Can effectively treat breakthrough pain on standard doses of buprenorphine for pain management (and on higher doses for OUD- but leave that to the specialists)

Common formulations

	Drug	Formulation	Doses	Indication	Administration
Pain Management (mcg dosing)	Buprenorphine patch	Weekly patch	5/7.5/10/15/20 mcg/hr	Pain Chronic pain at high risk of an unintentional OD and < 80 mg/d of oral morphine	<ul style="list-style-type: none"> • Rotate patch sites • Apply to fatty location • Can titrate Q 72 hours, but usually Q 7 days • Max dose is 20 mcg
	Buprenorphine	Buccal film	75/150/300/600/750/900 mcg	Pain	Dissolves inside of mouth in 30 mins (no chewing/swallowing)
Treatment of OUD/Off-label for pain (mg dosing)	Buprenorphine/naloxone	Buccal film SL tablet	<u>Film:</u> 2/0.5 mg 4/1 mg 8/2 mg 12/3 mg <u>SL Tablet:</u> 2/0.5 mg 8/2 mg	OUD Off-label for pain	Dissolves under tongue in 5-7 mins
	Buprenorphine	SL tablet	2 mg 8 mg	OUD Off-label for pain	Dissolves under tongue in 5-7 mins

Additional tips for opioid sparing

- 2023 NCCN Guidelines on Adult Cancer Pain management provide the most robust guidance on pain management for the cancer specialist
- Assess for opioid risks when prescribe in any setting but also ensure pain management regardless of history
- Engage in opioid stewardship practices: PDMP monitoring, risk stratification, UDS, etc.
- Opioid exit strategy: When indicated, co-create an opioid taper plan with the patient and write it out explicitly
- Incorporate pain education and multimodal pain management strategies into your communication with patient regarding expectations for pain and guidance for management. Equip the multi-disciplinary team with tools and training as well.
- Integrate non-opioid pain medications into the multimodal pain plan to reduce amount of opioid required (however, be cautious about polypharmacy)
- Taper opioids as appropriate
- Consider buprenorphine for chronic and/or stable cancer associated pain
- Engage a multidisciplinary team early





THANK YOU!

Cultural Linguistic Competency (CLC) & Implicit Bias (IB)

STATE LAW:

The California legislature has passed Assembly Bill (AB) 1195, which states that as of July 1, 2006, all Category 1 CME activities that relate to patient care must include a cultural diversity/linguistics component. It has also passed AB 241, which states that as of January 1, 2022, all continuing education courses for a physician and surgeon **must** contain curriculum that includes specified instruction in the understanding of implicit bias in medical treatment.

The cultural and linguistic competency (CLC) and implicit bias (IB) definitions reiterate how patients' diverse backgrounds may impact their access to care.

EXEMPTION:

Business and Professions Code 2190.1 exempts activities which are dedicated solely to research or other issues that do not contain a direct patient care component.

The following CLC & IB components will be addressed in this presentation:

- *Minimizing bias in assessment and treatment of pain.*
- *Evidence based ways to minimize implicit bias in assessment and treatment of pain.*