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FAST FACTS AND CONCEPTS #215

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Background Relief of cancer pain from opioids is rarely all or nothing; most patients experience some degree of analgesia alongside opioid toxicities. When the balance of analgesia versus toxicity tips away from analgesia, the term 'opioid poorly-responsive pain' is invoked. While opioid poorly-responsive pain is not a discreet syndrome, it is a commonly encountered clinical scenario. This Fast Fact reviews key points in its assessment and management.

Differential Diagnosis of Opioid Poorly-Responsive Pain

1. Cancer-related pain
 - a. Cancer progression (new fracture at site of known bone metastases).
 - b. Causes of pain (eg. neuropathic pain, skin ulceration, rectal tenesmus, muscle pain) that are known to be less responsive to systemic opioids or opioid monotherapy.
 - c. Psychological/spiritual pain related to the cancer experience (existential pain of impending death).
2. Opioid pharmacology/technical problems
 - a. Opioid tolerance (rapid dose escalation with no analgesic effect).
 - b. Dose-limiting opioid toxicity (sedation, delirium, hyperalgesia, nausea – see *Fast Facts* #25, 142).
 - c. Poor oral absorption (for PO meds) or skin absorption (e.g. transdermal patch adhesive failure).
 - d. Pump, needle, or catheter problems (IV, subcutaneous, or spinal opioids).
3. Non-cancer pain
 - a. Worsening of a known non-cancer pain syndrome (diabetic neuropathy).
 - b. New non-cancer pain syndrome (dental abscess).
4. Other psychological problems
 - a. Depression, anxiety, somatization, hypochondria, factitious disorders.
 - b. Dementia and delirium both can effect a patient's report of and experience of pain.
 - c. Opioid substance use disorders or opioid diversion.

Management Strategy

1. Initial Steps
 - a. Complete a thorough pain assessment including questions exploring psychological and spiritual concerns. If substance abuse or diversion is suspected, complete a substance abuse history (see *Fast Facts* #68, 69).
 - b. Complete a physical examination and order diagnostic studies as indicated.
 - c. Escalate a single opioid until acceptable analgesia or unacceptable toxicity develop, or it is clear that additional analgesic benefit is not being derived from dose escalation. If this fails, consider:
 - i. Rotating to a different opioid (e.g. morphine to methadone).
 - ii. Changing the route of administration (e.g. oral to subcutaneous).
 - d. Treat opioid toxicities aggressively.
 - e. Use (start or up-titrate) adjuvant analgesics, especially for neuropathic pain syndromes.
 - f. Integrate non-pharmacological treatments such as behavioral therapies, physical modalities like heat and

cold, and music and other relaxation-based therapies – see *Fast Fact #211*.

2. Additional steps – Pain refractory to the initial steps requires multi-disciplinary input and care coordination.
 - a. Hospice/Palliative Medicine consultation to optimize pain assessment, drug management, and assessment of overall care goals.
 - b. Mental health consultation for help in diagnosis and management of suspected psychological factors contributing to pain.
 - c. Chaplain/Clergy assistance for suspected spiritual factors contributing to pain.
 - d. Interventional Pain and/or Radiation Oncology consultation.
 - e. Rehabilitation consultations (Physiatry, Physical and Occupational Therapy) to maximize physical analgesic modalities.
 - f. Pharmacist assistance with drug/route information.

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