

Pharmacological management of Pain: A European clinical approach

No conflict of interest

Pain

- Nociceptive
- Nociplastic
- Neuropathic
- Psychogenic

Pharmacological management of pain

1. Nociceptive Pain

- a. NSAID
- b. Paracetamol
- c. Cox-2 inhibitors
- d. Codein
- e. Tramadol
- f. (Opioids)
- g. Local injections Lidocaine, Botulinum Toxin
- h. (CBD)

Pharmacological pain management

2. Nociceptive Pain

- a. Amitriptyline*
- b. Duloxetine*
- c. Gabapentine
- d. Pregabalin
- e. Naltrexone (LDN)
- f. (CBD)

*OBS! Dysautonomia

Pharmacological pain management

3. Neuropathic pain

- Amitriptyline*
- Duloxetine*
- Gabapentin
- Pregabalin
- Clonidine (Catapresan)
- Botulinum Toxin
- Lidocaine patches
- Capsaicine patches
- Tramadol
- Carbamazepine/Oxcarbazepin
- (CBD)

*OBS! Dysautonomia

Maria 40 years old

- Diagnosed hEDS för 5 years ago.
- Musculoskeletal pain, pain right knee and hip following repeated subluxations in these joints.
- 1 normal delivery and 2 C/S. Vaginal delivery with complicated perineal tears involving levator Ani, and labia Major, after that complains of dysparunia, slight urine incontinence, and pain on defecation, discomfort wearing underclothes, dysesthesia and paresthesia in the perineal area
- Traffic accident with post whiplash injury resulting in severe headache, with migrane attacks, neck pain, nausea, episods of blurred vision.
- Dysautonomia

Maria 40 years old

- Bilateral S3 allodynia and hyperesthesia (perineal injury).
- Pudendal Nerve neuralgia bilateral mostly right side (perineal injury).
- Bilateral Genitofemoralis, ilioinguinalis and Iliohipogastric nerves neuralgia (C/S).
- Right side allodynia Greater Occipital nerve.
- Severe pain upon bilateral examination of Splenius Capitis, Sterno Cleido Mastoid, Trapezius and temporalis muscles (post whiplash injury).
- Mild swelling right knee, and pain upon extension of the right hip joint. (subluxation injuries).
- Diffuse, generalized joint and muscle pains (nociceptive pain)

Maria 40 years old

- Treatment with Amitryptiline (NeP), Paracetamol and Etoricoxib (nociceptive pain).
- Nerve blocades with Lidocaine for Pudendal, Genitofemoral and Ilioinguinal nerves (NeP).
- Botulinum Toxin injection subdermally and Capsaicine patch for the C/S (NeP).
- Intramuscular Botulinum Toxin injections for Splenius Capitis, Trapezius and the Sterno Cleido mastoids (nociceptive pain)

Thank you