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This paper aims to present Polish recommendations for the acute pain management which have been created and introduced within the last few years. Introduction of the accompanying national project "Pain-free hospital" was a success, with many dedicated hospitals that have joined the project. It provides assistance in organizing acute pain management teams and training of the medical professionals in this regard. We also describe our own experience with utilizing the above recommendations.

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⁵ H F H L J/uHy OGI, 2013; \$ F F H S W H G July 27, 2013; 3 X E O L V K H G July 29, 2013;

[&]amp; L W D W L R Q Milewska MM, Horosz BARà(20063) NPain – Free Hospital: Recommendations for the Acute Pain Management in Poland. J Pain Relief 2: 120. doi:10.4172/2167-0846.1000120

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consisting of adequate preoperative assessment, use of pain several anesthesia techniques scales, e ective utilization of existing resources and sta training in order to achieve good quality of multimodal analgesia, early Conduction anestresia continuous the and grade of surgery is analgesia once patient condition, type and grade of surgery is Pain management standards in Poland (. Р physiotherapy and nursing. : M , et al.: 2011) [8]

Education

Vital part of perioperative pain management is to adequately inform the patient which can be achieved by counseling, as well as printed information lea ets on postoperative pain and methods of pain management.

Pain severity assessment - it is recommended:

- To assess and document pain intensity in patient's clinical notes at rest and during mobilization,
-), VAS To use pain severity scales: NRS (N), PHHPS (P P (Α)
- Pain scales should be chosen according to our experience with their use, type of surgery (operated area), whether it is well understood by the patients and its applicability to either resting or mobile patients, or both,
- For children and non-cooperative patients it is preferred to use Faces Pain Scale (FPS) and neurobehavioral scales.

considered. Properly chosen central and regional nerve blocks improve pain control while mobilizing, pain related to deep breathing,

Central nerve blocks

- Postoperative epidural analgesia has proven to be more e ective than systemic opioid analgesia,
- Epidural analgesia with local anesthetic alone or with added opioids may reduce the incidence of some respiratory complications, like atelectases, improve gas exchange, decreas rate of chest infections and paralytic ileus,
- oracic epidural analgesia, when combined with early enteral nutrition reduces the protein wasting postoperatively, as well as the incidence of peripheral thrombosis,
- e best possible option for the postoperative pain management is the use of local anesthetic with added lipophillic opioid. is approach reduces the prevalence of side e ects when compared to use of local anesthetics, alone or with added morphine,
- Neuraxial blocks and anticoagulation European Guidelines are adopted to Polish standards by Regional Anesthesia Task force of Polish Society of Anesthesia and Intensive Care.

Systemic analgesia

Continuous nerve blocks techniques

Prolonged analgesia with continuous nerve blocks o ers the Either arbitrarily set or "as required" administration of opioids reduced incidence of complications when compared to neuraxial does not provide e ective analgesia in immediate postoperativanalgesia, in case of which the epidural hematoma and abscess are the period. It is also crucial to choose appropriate route of administrationknown threat. Hypovolaemia, hypothermia and postoperative or trauma - related

Multitude of randomized trials has advocated their e ectiveness, blood redistribution may a ect the absorption of subcutaneously or intramuscularly injected painkillers, which would result in ine ective of raido a sate. Clinical trials have above that a an major attemption of side e ects. Clinical trials have shown that a er major orthopedic analgesia, in spite of the administration of adequate dose. surgeries of the limbs, the regional nerve blocks are equally e ective as

erefore the intravenous route for the administration of continuous epidural analgesia. Both of the aforementioned procedures analgesics should be preferred postoperatively, especially a er majore more e cacious than intravenous opioids. Regional anesthesia surgery. Titrating method allows for maintenance of minimal e ectiveshould also be used in patients with multiple comorbidities, in order to analgesic concentration (MEAC) throughout the postoperative periodecrease the dose of sedatives and opioids. (continuous infusion or patient controlled analgesia - PCA). Patient - controlled regional anesthesia

Most commonly used painkillers are paracetamol, metamizole, non-steroidal anti-in ammatory drugs (NSAIDs), weak and strong postoperative pain control and creating conditions for postoperative PCRA is more e ective than continuous infusion in providing opioids and local anesthetics with or without coanalgesics. physiotherapy. It is recommended to use PCRA for continuous

ey all could be used alone or as a part of multimodal analgesiaanesthesia and continuous surgical site in Itration. Local anesthetic regime, for accurate use of all available points and modes of actisolution may be used in bolus doses alone or as boluses on the top with minimal risk of side e ects. Possible drug interactions are readily f background infusion. Continuous infusion may be given with the avoided when pharmocodynamics and pharmacokinetics of drugs areae of PCA pump, mobile electronic infusion pump or elastometric properly acknowledged. infusion pump with preset infusion rates.

Patient - Controlled Analgesia

Multimodal / balanced analgesia

Opioid - based, intravenous patient - controlled analgesia (PCA) is method is based on simultaneous and continuous use of is known to provide analgesia superior to other regimes, which userious medications and methods perioperatively (preoperatively, conventional parenteral routes of administration (5 mm in VASintraoperatively and postoperatively). It employs multiple techniques 0-100 mm scale - on average), as well as better patient satisfaction.suppress nociception and facilitate continuous modulation of Nevertheless, it does not allow for reduction of overall opioids dospociceptive transmission. It e ects in better quality of analgesia and lower doses of painkillers used, therefore causing less side e ects. and does not result in reduced incidence of side e ects.

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Pain Management Depending on the Grade of Surgery – Polish Recommendations.

Grade 1 surgery

Minor super cial procedures, minor orthopedic and gynecological surgery (day case surgery), which are linked to postoperative pain severity of NRS<4.

Before surgery: e use of following drugs should be considered to induce the e ect of preemptive analgesia:

- Metamizole (1-2,5 g) i.v.

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