Supplementary data 5:Search Strings: Pain management therapies by prehospital emergency care providers: a scoping review.

Table 1: Search Strings

Pubmed
Pubmed Search 26 November 2025: Pharmacological Therapies. Results = 3304
((((Emergency Medical Technician OR EMT OR Paramedic)) OR ("Emergency Medical Technicians"[Mesh])) OR (((Emergency Medical Service OR EMS OR Ambulance Service OR Ambulance OR Pre-hospital OR Prehospital OR Extended Practice OR Community Paramedicine OR Helicopter Emergency Medical Services OR Aeromedical OR Critical Care Retrieval)) AND ("Emergency Medical Services"[Majr]))) AND (((Pain management OR pain reduction OR analgesic)AND (Drug Therapy OR Opiate OR Opioid OR Morphine OR Fentanyl OR Tramadol OR Ketamine OR Methoxyflurane OR Entonox® OR Nitrous Oxide OR Paracetamol OR Non-steroidal anti-inflammatory drug)) OR ((("Analgesics"[Mesh]) AND ("Analgesics, Non-Narcotic"[Mesh] OR "Analgesics, Opioid"[Mesh] OR "Analgesics, Short-Acting"[Mesh] OR "Pain"[Mesh] OR "Narcotics"[Mesh] OR "Anti-Inflammatory Agents, Non-Steroidal"[Mesh] OR "Analgesia, Obstetrical"[Mesh] OR "Ketamine"[Mesh] OR "Analgesia"[Mesh])) AND ("Pain Management"[Majr]))) Filters: English
Pubmed Search Results 26 November 2025: non-Pharmacological therapies: Results = 431
(((Emergency Service* OR EMS OR Ambulance Service OR Ambulance OR Pre-hospital OR Prehospital) OR (Emergency Medical Technician OR EMT OR Paramedic)) AND ((Pain management OR pain reduction OR analgesi*))) AND ((Nonpharmacological analgesi* OR nonpharmacological pain management OR TENS OR Transcutaneous Electrical Nerve Stimulation OR Acupuncture OR Acupressure OR splint)) Filters: English
CINAHL
CINAHL Search 26 November 2025: Pharmacological Therapies. Results = 2406
((Emergency Service* OR EMS OR Ambulance Service OR Ambulance OR Pre-hospital OR Prehospital) OR (Emergency Medical Technician OR EMT OR Paramedic)) AND ((Pain management OR pain reduction OR analgesi*)) AND ((Pharmacological pain management OR Drug Therapy OR Opi* OR Morphine * OR Fentanyl OR Tramadol OR Ketamine OR Methoxyflurane OR Entonox OR Paracetamol OR Ibuprofen OR Ketorolac)) LIMIT ENGLISH
CINAHL Search 26 November 2025: non-Pharmacological therapies: Results = 486
((Emergency Service* OR EMS OR Ambulance Service OR Ambulance OR Pre-hospital OR Prehospital) OR (Emergency Medical Technician OR EMT OR Paramedic)) AND ((Pain management OR pain reduction OR analgesi*)) AND ((Nonpharmacological analgesi* OR nonpharmacological pain management OR Nerve Block OR TENS OR Transcutaneous Electrical Nerve Stimulation OR Acupuncture OR Acupressure)) LIMT - ENGLISH
Scopus
Scopus Search 26 November 2025: Pharmacological Therapies. Results = 5622
((TITLE-ABS-KEY (Emergency Medical Services) OR TITLE-ABS-KEY (Ambulance Service) OR TITLE-ABS-KEY (Pre-hospital OR prehospital) OR TITLE-ABS-KEY (Emergency Medical Technician OR EMT OR paramedic) OR TITLE-ABS-KEY (EM))) AND ((TITLE-ABS-KEY (pain management OR pain reduction) OR TITLE-ABS-KEY (analgesi*))) OR ((TITLE-ABS-KEY (pharmacological pain management OR drug therapy) OR TITLE-ABS-KEY (opi*) OR TITLE-ABS-KEY (morphine OR fentanyl OR tramadol OR nalbuphine) OR TITLE-ABS-KEY (ketamine OR esketamine) OR TITLE-ABS-KEY (methoxyflurane) OR TITLE-ABS-KEY (nitrous oxide OR entonox) OR TITLE-ABS-KEY (paracetamol) AND TITLE-ABS-KEY (NSAID OR non-steroidal anti-inflammatory drug OR ketorolac OR ibuprofen))) AND (LIMIT-TO (LANGUAGE , "English"))
Scopus Search Results 26 November 2025: non-Pharmacological therapies: Results = 2501
(((TITLE-ABS-KEY (Emergency Medical Services) OR TITLE-ABS-KEY (Ambulance Service) OR TITLE-ABS-KEY (Pre-hospital OR prehospital) OR TITLE-ABS-KEY (Emergency Medical Technician OR EMT OR paramedic) OR TITLE-ABS-KEY (EM))) OR ((TITLE-ABS-KEY (pain management OR pain reduction) OR TITLE-ABS-KEY (analgesi*)))) AND ((TITLE-ABS-KEY (nonpharmacological OR non-pharmacological) OR TITLE-ABS-KEY (transcutaneous electrical nerve stimulation OR TENS) OR TITLE-ABS-KEY (acupressure OR acupuncture) OR TITLE-ABS-KEY (splint)) AND PUBYEAR > 2023) AND (LIMIT-TO (LANGUAGE , "English"))

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Web of Science
Web of Science Search 26 November 2025: Pharmacological Therapies. Results = 1366
[((Emergency Medical Technician OR EMT OR Paramedic OR Emergency Medical Services OR EMS)) AND (((Pain management OR pain reduction OR analgesi*)AND (Drug Therapy OR Opiate OR Opioid OR Morphine OR Fentanyl OR Tramadol OR Ketamine OR Methoxyflurane OR Entonox® OR Nitrous Oxide OR Paracetamol OR Non-steroidal anti-inflammatory drug)))] AND English
Web of Science Search Results 17 July 2024: non-Pharmacological therapies: Results = 101
((Emergency Service* OR EMS OR Ambulance Service OR Ambulance OR Pre-hospital OR Prehospital) OR (Emergency Medical Technician OR EMT OR Paramedic)) AND ((Pain management OR pain reduction OR analgesi*)) AND ((Nonpharmacological analgesi* OR nonpharmacological pain management OR splint OR TENS OR Transcutaneous Electrical Nerve Stimulation OR Acupuncture OR Acupressure)) AND English