

Supplementary Table 1. The studies registered in the ClinicalTrials.gov system and regard pain management in palliative care, including new and alternative methods

Title of Project	ClinicalTrials.gov	Participants (n)	Conditions	Treatment	Study type	Locations	Current status
Paracetamol Route in Palliative Care Patients	NCT03944044	20	Patients in a palliative care situation	Possibility to not take paracetamol in the previous 24 hours before inclusion	Interventional	University Hospital, Caen, France	Recruiting
Remote Self-Reporting of Symptoms by Patients With Palliative Care Needs (RELIEF): A Mixed-Methods Implementation Study	NCT05806255	600	Patient has palliative care needs	nd	Interventional	nd	Not yet recruiting
Resiniferatoxi to Treat Severe Pain Associated With Advanced Cancer	NCT00804154	45	People at least 18 years of age with severe pain from advanced cancer at or below the level of the chest that cannot be controlled with standard treatments	nd	Interventional	National Institutes of Health Clinical Center, Bethesda, Maryland, United States	Recruiting
Effects of Nurse-led Telephone Based Service For Early Palliative Care Patients With Advanced Cancer: The Paltel Randomized Controlled Trial	NCT05434208	140	Early Palliative Care cancer patients	nd	Interventional	Istituto Scientifico Romagnolo per lo Studio e la cura dei Tumori, Meldola, Forlì-Cesena, Italy	Not yet recruiting
Medical Hypnosis and Music for Palliative Care	NCT05951257	40	Adults in Palliative home care	nd	Interventional	Laval University, Montréal, Quebec, Canada	Recruiting
Assessment of the Interest of ANI in the Non-communicating Patient in Palliative Care (ANI-CARE)	NCT05454202	20	Non-communicating end-of-life patient hospitalized in palliative care	nd	Observational	University Hospital, Lille, France	Recruiting
MR Guided Focused Ultrasound vs Radiotherapy for Palliative Pain Tx in Bone Metastases	NCT05250687	50	Solitary painful metastatic bone lesion or multiple metastatic lesions with one predominantly painful target lesion	nd	Interventional	Stanford University, Palo Alto, California, United States	Not yet recruiting
Percutaneous Cordotomy for Pain Palliation in Advanced Cancer	NCT04119037	42	Has undergone 3 palliative care evaluations. Pain intensity ≥ 4 on a 0–10 numerical scale. Unilateral pain due to cancer below the shoulder level	Drug: Morphine	Interventional	M.D. Anderson Cancer Center, Houston, Texas, United States	Recruiting

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Technology-Enhanced Palliative Care for Advanced Cancer Patients	NCT04989556	150	Diagnosis of advanced solid tumor	nd	Interventional	M.D. Anderson Cancer Center, Houston, Texas, United States	Recruiting
Psilocybin Combined With Multidisciplinary Palliative Care in Demoralized Cancer Survivors With Chronic Pain	NCT05506982	10	Diagnosis of solid or liquid cancer made \geq 1 year at any stage in cancer survivorship	nd	Interventional	Emory University, Atlanta, Georgia, United States	Recruiting
Patients Referred to the Chronic Pain Unit for Palliative Treatment With Ozone Therapy Between 2022 and 2025 (EPOOzo)	NCT05417737	105	Patients submitted to the Chronic Pain Unit of the Hospital Universitario de Gran Canaria Dr. Negrín for symptomatic/palliative treatment with ozone therapy because conventional treatment does not exist, it has been unsuccessful, or it is associated with high risk or high morbidity	nd	Observational	Dr. Negrin University Hospital, Las Palmas, Spain	Recruiting
Cannabinoids in Pediatric Oncology (CAN-PONC)	NCT05754840	60	Diagnosed with relapsed or refractory solid or hematologic malignancy. Currently Receiving active cancer treatment or palliative care	nd	Interventional	University of Manitoba, Canada	Not yet recruiting
Subcutaneous Versus Intravenous Morphine When Switching From Or to Parenteral Route in Palliative Cancer Patients (SIM)	NCT05236647	60	Patients admitted to a Hospital palliative medicine unit with an indication for parenteral administration of morphine	Unsatisfactory pain control despite titration of oral or transdermal opioids	Interventional	University Hospital, Akershus, Lørenskog, Norway	Recruiting
Cannabis For Cancer-Related Symptoms (CAFARS)	NCT03948074	150	Must have at least one of the following cancer-related symptoms or a cancer treatment-related symptoms: Nausea; Pain; Anxiety; Sleep Disturbance	nd	Interventional	British Columbia Cancer Agency, Canada	Recruiting
Transcranial Direct-current Stimulation (tDCS) Efficacy in Refractory Cancer Pain.(STIMPAL)	NCT04683172	70	Patient with a confirmed cancer at a palliative stage	nd	Interventional	Elsan, Nantes, France	Recruiting
Pain Assessment	NCT04726228	40	Home care	Patients	Observational	National Cancer	Recruiting

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<p>in Cancer Patients by Machine Learning (PASCALE)</p>			<p>patients diagnosed with advanced cancer disease and life expectancy \leq 1 year</p>	<p>Receiving treatment for cancer pain</p>		<p>Institute, Naples, Italy</p>	
<p>Benefits of Morphine Gel for Pain Reduction in Patients With Cancer Wounds (MorphineGEL)</p>	<p>NCT05800834</p>	<p>106</p>	<p>Malignant neoplastic wound in breast or head and neck</p>	<p>Make use of systemic morphine</p>	<p>Interventional</p>	<p>Instituto Nacional de Cancer, Brazil</p>	<p>Recruiting</p>