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List of published RCT	Derma art d.o.o.	

### Published RCT studies performed with the PVR system

1. Macura M, Ban Frangez H, Cankar K, Finžgar M, Frangez I. The effect of transcutaneous application of gaseous CO<sub>2</sub> on diabetic chronic wound healing-A double-blind randomized clinical trial. *Int Wound J.* 2020 Jul 7. DOI: 10.1111/iwj.13436. Epub ahead of print. PMID: 32633896.

<https://pubmed.ncbi.nlm.nih.gov/32633896/>

2. Finžgar M, Melik Z, Cankar K. Effect of transcutaneous application of gaseous carbon dioxide on cutaneous microcirculation. *Clin Hemorheol Microcirc.* 2015;60(4):423-35. DOI: 10.3233/CH-141898. PMID: 25261433.

<https://pubmed.ncbi.nlm.nih.gov/25261433/>

3. Finžgar M, Frangež HB, Cankar K, Frangež I. Transcutaneous application of the gaseous CO<sub>2</sub> for improvement of the microvascular function in patients with diabetic foot ulcers. *Microvasc Res.* 2020 Nov 10;133:104100. DOI: 10.1016/j.mvr.2020.104100. Epub ahead of print. PMID: 33181169.

<https://pubmed.ncbi.nlm.nih.gov/33181169/>

4. Helena Ban Frangež, Zoran Rodi, Jana Miklavcic, Igor Frangež: The Effect of Transcutaneous Application of Gaseous CO<sub>2</sub> on Diabetic Symmetrical Peripheral Neuropathy—A Double-Blind Randomized Clinical Trial. MDPI\_ <https://doi.org/10.3390/app11114911>

5. Case report: Capillaroscopy and MR imaging before and after transcutaneous application of gaseous carbon dioxide with PVR system, prof. Cankar, Medical University Ljubljana

6. Case report: Transkutana aplikacija CO<sub>2</sub> omogoča celjenje ishemične rane pri pacientu z neoperabilno ishemijo sp. končine, Miloš Potkonjak SB Novo mesto

7. Case report: Transcutaneous CO<sub>2</sub> therapy in the management of post-traumatic and post-operative pain and functional limitations of the lower limb, *Sport & Exercise Medicine Switzerland*, 71 (1), 23-27, 2023 <https://jocr.co.in/wp/2023/12/10/effects-of-the-percutaneous-carbon-dioxide-therapy-on-post-surgical-and-post-traumatic-hematoma-edema-and-pain-cases-report/>

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