

Online Supplementary Material

Cost-Effectiveness of Continuously Diffused Oxygen Therapy Compared with Negative-Pressure Wound Therapy. *JHEOR*. 2026;13(1):30-38. [doi:10.36469/jheor.2026.155760](https://doi.org/10.36469/jheor.2026.155760)

Table S1: Comparative Clinical Efficacy of CDO and NPWT: Prospective Patient Database to Blume

Table S2: Comparison of Efficacy of CDO Therapy vs NPWT in Published Studies

Table S3: Canadian Cost Savings of CDO Therapy vs NPWT

This supplementary material has been provided by the authors to give readers additional information about their work.



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Table S1. Comparative Clinical Efficacy of CDO and NPWT: Prospective Patient Database to Blume

Outcome	CDO (Real-World, PPD)	NPWT (Blume Study)
Closure at 112 days, %	79.2	43.2
Kaplan-Meier estimate to full closure, days	58	96
Average baseline wound size, cm ² (SD)	11.7 (27.7)	13.5 (18.2)

Abbreviations: CDO, continuous diffusion of oxygen; NPWT, negative-pressure wound therapy PPD, prospective patient database.

Table S2. Comparison of Efficacy of CDO Therapy vs NPWT in Published Studies

Study	N	Study Length, Weeks	Control Arm	Wound Closure, Study Group	Wound Closure, Control Group	P	Relative Risk
CDO ¹⁶	146	12	Placebo system	46%	22%	0.016	2.04
NPWT ¹⁷	335	16	MWT (various)	43%	29%	0.007	1.48

Abbreviations: CDO, continuous diffusion of oxygen; MWT, moist wound therapy; NPWT, negative-pressure wound therapy PPD, prospective patient database.

Table S3. Canadian Cost Savings of CDO Therapy vs NPWT

Wound Type	Overall	In Larger Wounds	With Frequent Debridement	In Chronic Wounds
Cost differential, US \$ ^a	4940	5450	6100	6455

Abbreviations: CDO, continuous diffusion of oxygen; NPWT, negative-pressure wound therapy PPD, prospective patient database.

^aCost differential dollar value represents NPWT Cost – CDO Cost in US \$ (cost savings of using CDO vs NPWT).