

The efficacy outcome of the patients receiving diclofenac 2% in FoamaDerm® on baseline (Day 0), during (Day 14), and after (Day 28) the treatment of OA knee (43 patients with knee osteoarthritis)

Data	Follow-up	Score
Visual analogue scale, VAS (mm)	Day 0	52.60
	Day 14	32.21
	Day 28	24.26
100-meter walking time (second)	Day 0	82.25
	Day 14	78.89
	Day 28	77.07
WOMAC index score		
Pain index	Day 0	9.05
	Day 14	6.81
	Day 28	5.28
Stiff index	Day 0	3.53
	Day 14	2.09
	Day 28	1.93
Physical function index	Day 0	31.88
	Day 14	23.30
	Day 28	21.16
Total score	Day 0	44.46
	Day 14	32.21
	Day 28	28.37

Overall assessment of treatment evaluated on day 28. (43 patients, knee osteoarthritis, topical diclofenac 2% in FoamaDerm® used TID)

Global assessment (point)	Score
0: none	0
1: mild better	1 (2.33%)
2: moderate better	10 (23.26%)
3: very much better	16 (37.21%)
4: excellent	16 (37.21%)

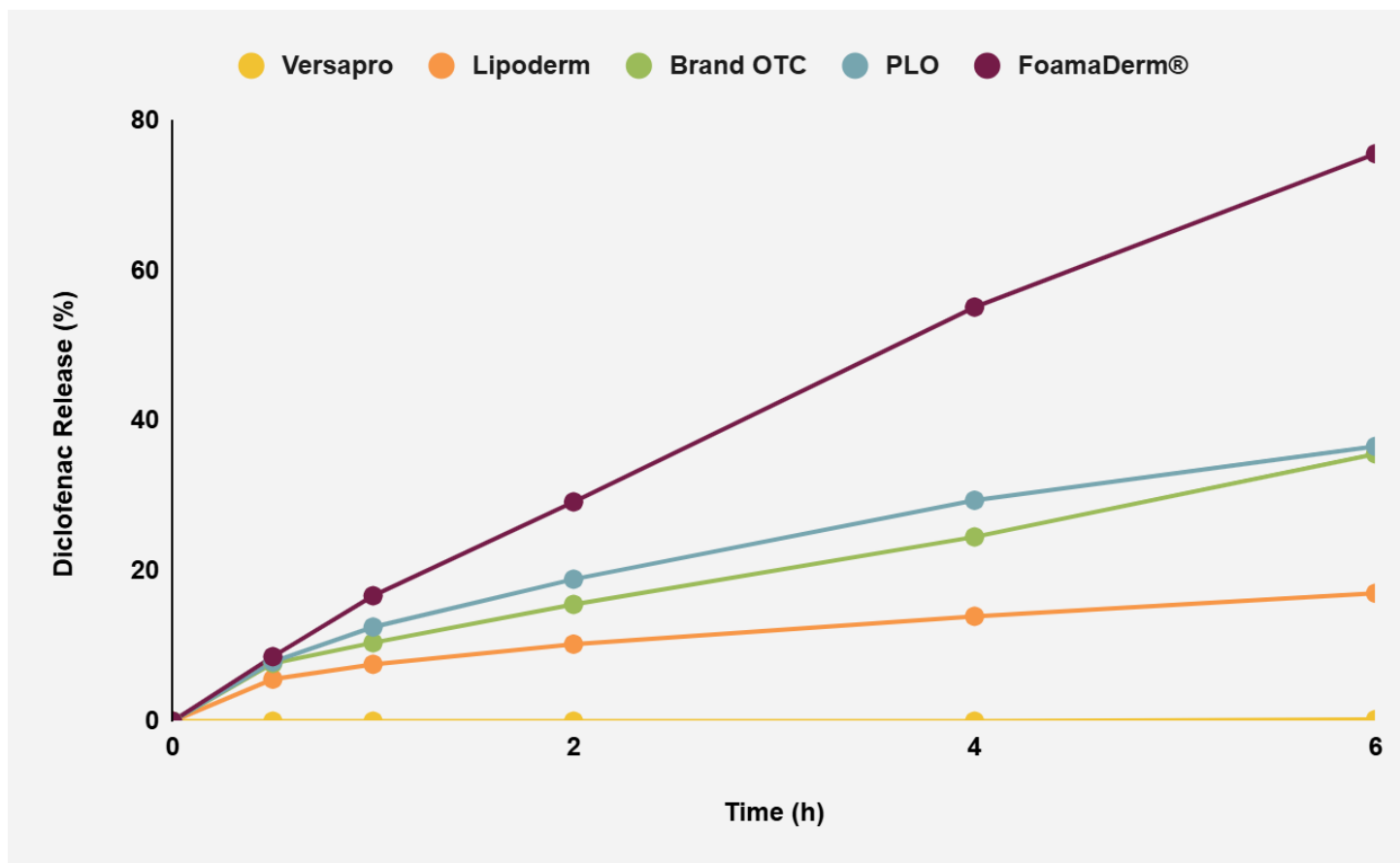
Ref: A double-blinded randomized clinical trial: Topical Sahasthara extract versus diclofenac for treating primary knee osteoarthritis using microemulsions as a topical delivery system, Intharit et al, Vol 16, Issue 4, July 2026, 458-466.

Treatment response (diclofenac 2% in FoamaDerm®, applied BID, follow up after 2 weeks).

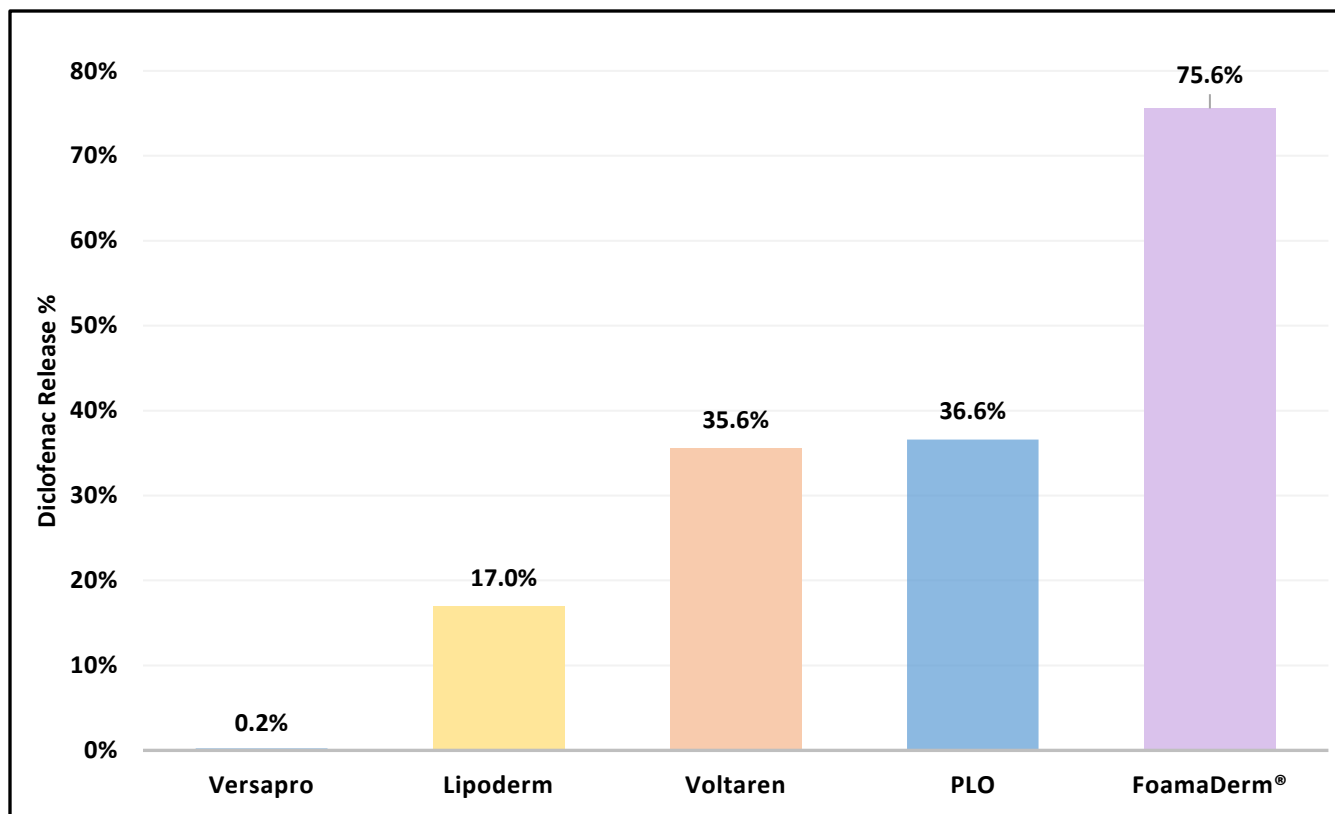
Age (range)	Patient	Site	Initial pain score (10)	Follow-up pain score (10)	Comment
46–55	1	Both hips	8	4	Concurrent treatment with morphine without relief
56–65	2	Left knee	10	3	Tried diclofenac 10% in PLO gel without relief
	3	Bilateral elbows	7	3	Concurrent treatment with oral ketoprofen
	4	Posterior Cervical Neck	5	2	Works very quickly. Not messy or greasy
	5	Left hip	8–9	7	Has severe back pain also. Received cortisone injections
	6	Left knee	6	2 at rest, 4 during activity	Used diclofenac 1.5% Pennsaid® and 10% in PLO gel in past without relief
	7	Shoulder	6–7	4–5	Received occasional morphine and used diclofenac 10% in PLO without much relief
66–75	8	Right hip	6–7	3	Was using diclofenac 10% in PLO gel but it was too messy. Prefer the new formulation which absorbs very quickly
76–85	9	Right hip	4	0	
	10	Left shoulder	6–7	0–1	Works very quickly not messy
86–95	11	Left foot	9–10	5–6	Used diclofenac 1.5% Pennsaid® without relief

Ref: Determination of efficacy and toxicity of diclofenac microemulsion formulation for musculoskeletal pain: an observational study, Hoan Linh Banh, Andrew Cave, BMC Research Notes volume 13, 285 (2020)

Diclofenac release from FoamaDerm®, different compounding bases and Voltaren.



Diclofenac release from FoamaDerm®, different bases and Voltaren.



Ref: Evaluation of a microemulsion-based gel formulation for topical drug delivery of diclofenac sodium, Braa Hajar, Kira-Isabel Zier, Nayab Khalid, Shirzad Azarmi, Raimar Löbenberg, Journal of Pharmaceutical Investigation volume 48, 351–362 (2018).