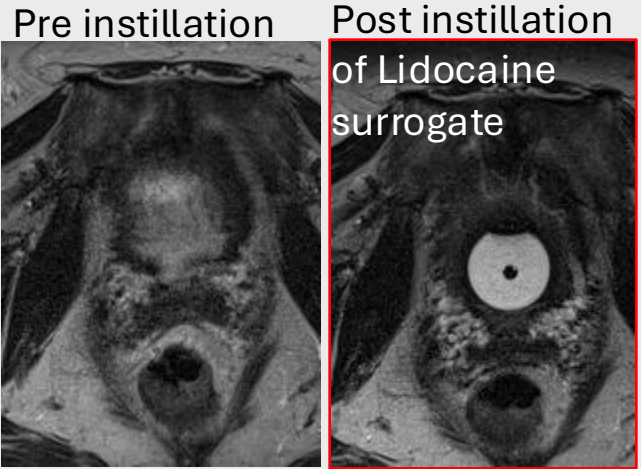
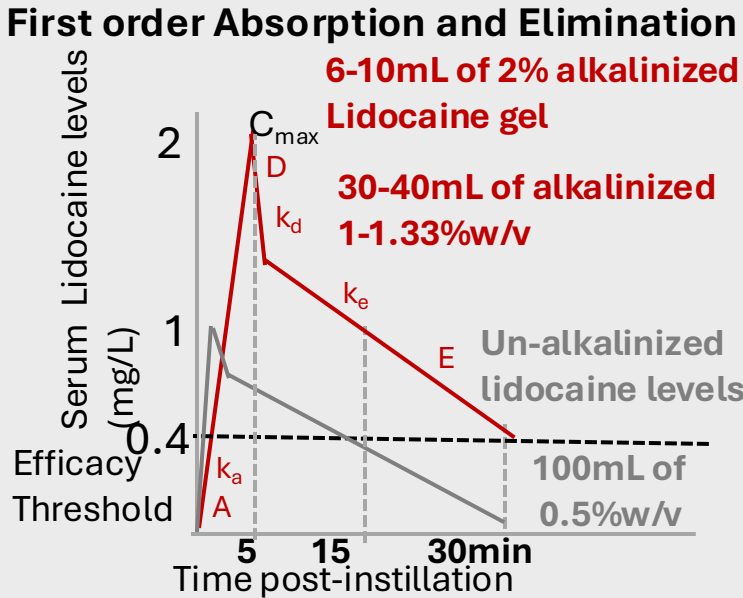


Pharmacology Promises Maximal Relief of Intradetrusor Injection Pain at Tmax of Instilled Lidocaine!



Vesical vein and ureter enhancement at 5min post instillation of gadobutrol aligns with lidocaine anesthesia at 5min and PST evoked pain at 5min.

1. Taneja R. Intravesical lignocaine in the diagnosis of bladder pain syndrome. Int Urogynecol J. 2010 Mar;21 (3):321-4

2. El Issaoui et al. Alkalinised lidocaine as an anaesthetic before onabotulinumtoxinA injections. a randomised trial. BJU Int. 2025 Apr;135(4):638-647. 3. Pereira et al. Alkalinized lidocaine solution as a first-line local anesthesia protocol for intradetrusor injection of onabotulinum toxin A: Results from a double-blinded randomized controlled trial. NeuroUrol Urodyn. 2020 Nov;39(8):2471-2479. 4. Negrean et al. Lidocaine solution vs. lidocaine gel instillation for pain management during intravesical botulinum injections. Can Urol Assoc J. 2025 Jun;19(6):189-192.

Lido cain e co nc. % w/v	Alk ali niz ati on	volu me	Pain e voked at	(n)	Effi cac y Vs con trol	P/R	PMC or PMID
1	Yes	40m L	15min	25	Yes	2025 (P)	PMC11913603
1%	No	40m L	30min	28	No	2025 (P)	PMC12370799
1.33	Yes	30m L	30min	39	2% gel* 5min	2025 (R)	PMC12158454
0.5	Yes	100 mL	20min	37	No	2025 (P)	PMID: 40025238
1.33	Yes	30m L	15min	57	Yes	2020 (P)	PMID: 32956506