

Analgesic effect of laparoscopic versus ultrasound-guided quadratus lumborum block in patients undergoing laparoscopic nephrectomy: a randomized controlled clinical trial

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Supplementary Table S1 Patient-level dermatomal coverage summary.

Patient ID	Group	Cephalad dermatome	Caudad dermatome	Total number of blocked dermatomes
L01	L	T6	L1	8
L02	L	T4	T12	9
L03	L	T6	T12	7
L04	L	T6	T12	7
L05	L	T5	T10	6
L06	L	T7	L1	7
L07	L	T7	T12	6
L08	L	T5	T11	7
L09	L	T6	L1	8
L10	L	T6	T10	5
L11	L	T6	L1	8
L12	L	T7	L1	7
L13	L	T8	L2	7

L14	L	T7	L1	7
L15	L	T8	L1	6
L16	L	T7	T11	5
L17	L	T5	L1	7
L18	L	T5	T12	8
L19	L	T6	T12	7
L20	L	T6	L1	8
L21	L	T6	L1	8
L22	L	T6	T11	6
L23	L	T7	T12	6
L24	L	T7	T11	5
L25	L	T6	T12	7
L26	L	T6	T12	7
L27	L	T6	L1	8
L28	L	T8	L1	6
L29	L	T5	T12	8
U01	U	T7	L1	7
U02	U	T8	T12	5
U03	U	T7	T12	6
U04	U	T8	T11	4
U05	U	T6	T12	7

U06	U	T7	T12	6
U07	U	T8	T12	5
U08	U	T6	T11	6
U09	U	T6	T12	7
U10	U	T6	T11	6
U11	U	T8	T11	4
U12	U	T7	L1	7
U13	U	T8	L1	6
U14	U	T7	T12	6
U15	U	T8	T12	5
U16	U	T7	T11	5
U17	U	T6	L1	8
U18	U	T7	T12	6
U19	U	T6	T12	7
U20	U	T6	L1	8
U21	U	T6	T12	7
U22	U	T6	L1	8
U23	U	T7	T12	6
U24	U	T7	T12	6
U25	U	T6	T12	7
U26	U	T6	T12	7

U27	U	T6	L1	8
U28	U	T8	L1	6
U29	U	T8	T12	5

Dermatome numbering rule: Dermatomes are numbered according to standard anatomical nomenclature (cephalad to caudad: T4-L2), with the "total number of blocked dermatomes" calculated as the anatomical interval between the cephalad and caudad dermatomes (inclusive). This quantification directly reflects the range of sensory block spread.

The total number of blocked dermatomes was significantly higher in the L-QLB group than in the U-QLB group (7.03 ± 1.12 vs. 6.24 ± 1.15 ; $t=2.543$, $P=0.013$), indicating a broader sensory block spread in the L-QLB group.