

ADVANTAGES OF SUPERIOR HIPOGASTRIC
NERVE BLOCK FOR PAIN CONTROL AFTER
UTERINE ARTERY EMBOLIZATION

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ADVANTAGES OF SHNB FOR PAIN CONTROL AFTER UAE

- The aim of the study is to evaluate the safety and efficacy of superior hypogastric nerve block (SHNB) for pain control after uterine artery embolization (UAE).

ADVANTAGES OF SHNB FOR PAIN CONTROL AFTER UAE

- Between July 2012 and February 2013,
- 43 symptomatic women treated with UAE underwent ultrasound- and flouroscopy-guided SHNB.

ADVANTAGES OF SHNB FOR PAIN CONTROL AFTER UAE

- SHNB was performed transabdominally during the embolization by injecting 20 ml bupivacaine anterior to the L5 vertebra corpus below the aortic bifurcation.
- In 4 patients with a large uterus extending above L5, SHNB was performed through a transuterine approach.

FLOUROSCOPY GUIDED SHNB



ADVANTAGES OF SHNB FOR PAIN CONTROL AFTER UAE

- Patients were hospitalized for 2 days, and their IV narcotic analgesic (pethidine hydrochloride) doses were recorded for the first 12 hours and 48 hours in total.

ADVANTAGES OF SHNB FOR PAIN CONTROL AFTER UAE

- Analgesic doses in patients who underwent SHNB were statistically compared with those in the historical control group.
- SHNB procedure was technically successful in all patients.
- No procedure-related complications occurred.

ADVANTAGES OF SHNB FOR PAIN CONTROL AFTER UAE

- The narcotic analgesic dose in patients who underwent SHNB was significantly lower than that in the control group, especially for the first 12 hours.

ADVANTAGES OF SHNB FOR PAIN CONTROL AFTER UAE

- After discharge, 2 patients were readmitted for intense pain; these patients successfully underwent a second SHNB, resulting in rapid pain relief.

ADVANTAGES OF SHNB FOR PAIN CONTROL AFTER UAE

- SHNB may significantly decrease pain after UAE, especially during the first 12 hours, and increases patient satisfaction.

ADVANTAGES OF SHNB FOR PAIN CONTROL AFTER UAE

- SHNB is safe and can be easily performed under ultrasound and flouroscopy guidance.
- The transuterine approach may be safe, although it requires further confirmation in a larger number of patients.