Can Ultrasound Guided Nerve Block Be A Useful Method of Anesthesia For Tumor Surgery in The Foot and Ankle

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Disclosure

• No Conflict to Disclose
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• Below knee (BK) amputation is needed in some cases of tumor operation in lower extremity.

• In some cases, general anesthesia can be hard because of bad general condition. So, ultrasound (US)-guided nerve block can be available in the situations.

• To evaluate the usefulness of US-guided nerve blockade in BK amputation surgery.
• From June 2013 to April 2015, 8 patients who underwent BK amputation surgery were enrolled.
  • Five men and three women and median age is 71.6(57-83) years old.

• All patients have conditions such as DM, HTN, and kidney-related diseases etc.

• Under ultrasound guidance, femoral nerve, lateral femoral cutaneous nerve, and sciatic nerve blockades were performed.
• None was anesthesia failure and unstable vital sign during operation.

• Postoperative complication related anesthesia method such as general condition aggravation was none.
Conclusion

• Overall, US-guided nerve block of the lower extremity for BK amputation surgery showed satisfactory results.

• BK amputation under an US-guided NB in patients with tumor can be used safely in old patients with severe medical issues, because US-guided NB have almost no systemic effect.
• References


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