Background and aims
Severe aortic stenosis (SAS) is associated with increased morbidity and mortality during the perioperative period in patients undergoing noncardiac surgery. Continuous spinal anaesthesia (CSA) may prove advantageous in this subgroup of patients, to minimize hemodynamic changes.

Methods
Identification: female, 88 years old, ASA IV.
Co-morbidities: SAS (submitted to balloon aortic valvuloplasty one month prior), stage 4 chronic kidney disease, hypertension, type 2 diabetes and dyslipidemia.
Procedure: distal ureterectomy with ureteral reimplantation due to urothelial carcinoma (approximate duration 180 minutes).

Technique
• Standard ASA monitoring, premedication (1 mg midazolam IV) and placement of an arterial line.
• CSA – dural puncture at L3-L4 spinal level (18G Tuohy needle) and insertion of the spinal catheter. 2 µg of sufentanyl and 2.5 mg of levobupivacaine (0.5%) were given through the catheter. After the initial dose, four additional top-ups of levobupivacaine 0.1% (1 mg each) were administered. The catheter was removed at the end of surgery.
• A peripheral noradrenaline infusion up to 8 µg/min to maintain MAP > 65 mmHg was used. IV fentanyl (total 100 µg) was given in intermittent boluses throughout.

Results
The patient remained stable throughout surgery and spent the first 48h of postoperative recovery in the coronary intensive care unit. The postoperative course was uneventful, and the patient was discharged on the 10th postoperative day.

Conclusions
CSA, although unpopular, is a safe and effective anesthetic technique for the management of patients with SAS.