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# PROGRAM KİTABI

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## Does Atraucan Cause more Postdural Puncture Backache?

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OBJECTIVE: Post-dural puncture backache (PDPB) is the most frequent complaint after spinal anesthesia. In the literature its importance is generally overshadowed by post-dural puncture headache. We studied two different kinds of spinal anesthesia needles from the point of their technical handling capacities and incidences of PDPB.
MATERIALS-METHODS: Data of two hundred fifty six pregnant female patients undergone cesarean delivery under spinal anesthesia were collected for the study. Patients were put into one of the two groups according to the spinal needle used. Patients that had spinal puncture with 26-Gauge Atraumatic needle (Atraucan®, B.Braun Melsunger, Germany) were put into the Group A (n = 109) and those having puncture with 26-Gauge Quincke (Spinocan®, B.Braun Melsunger, Germany) into the Group Q (n = 147). Backache incidence for postoperative one week period, severity, onset time and duration were recorded, as well as puncture attempts and spinal anesthesia procedure duration.
RESULTS: Spinal anesthesia had been successfully performed at one attempt in 92.7% and 86.4% of patients in the Groups A and Q respectively. PDPB was encountered in 62.4% and 44.2% of the patients in the Groups A and Q respectively, and the difference was statistically significant (P = 0.037).
CONCLUSION: Both 26-Gauge Quincke and Atraucan needles have excellent handling characteristics. PDPB seems to be less with 26-Gauge Quincke than with Atraucan needle.

**Keywords:** Post-dural puncture backache, spinal anesthesia complications, post-spinal backache, cesarean section, Atraucan, 26 gauge.