METHODS

Ultrasound-guided refilling intrathecal pump is done after learning pump's sonography anatomy. Later, we perform ultrasound-guided refilling pump with a 50mm high-frequency linear transducer. The number of attempts and the degree of a patient satisfaction it is also evaluated, using Likert scale adapted from SERVQHOS, compared with classic method in our department.

Used Material: Infusion pump Intrathecal morphine Syncromed II, Medtronic and 50 mm high-frequency linear transducer HFL50 attached to the portable ultrasound machine Esaote MyLab 25 Gold.

OBJECTIVE

The aim is to perform ultrasound-guided refilling intrathecal drug delivery systems in a safe and comfortable way for patients.

RESULTS

The number of patients who participated was 19. The sample consists of 68.42% (13) men and 31.58% (6) women. The average number of attempts was 1.33; six cases required a second attempt. For analysis of patient satisfaction: the objective quality of the use of new technologies, valued with 57.9% (11) patients it was evaluated relate better. Moreover, as to the subjective assessment, staff training, 47.5% of patients (9) considered it better and how to trust and security is valued contributed 36.8% of the patients (7) as better, all referred to use the scanner respectively by the caregivers.

CONCLUSIONS

This is the first preliminary study for try to validate this method. Ultrasound-guided intrathecal pump access is a feasible and simple technique. Patient satisfaction seems higher.

BIBLIOGRAPHY