A question about ropivacaine for unilateral spinal anesthesia: hypobaric solution

Uma questão sobre ropivacaina para raquianestesia unilateral: solução hipobária

Dear Editor,

I am a doctor from department of anesthesiology, Shanghai Sixth People’s hospital, Shanghai Jiao Tong University, Shanghai, China. I have many interests in ropivacaine for unilateral spinal anesthesia: hypobaric solution. So I have read your literature titled “Ropivacaine for unilateral spinal anesthesia; hyperbaric or hypobaric?”. In this article, it was mentioned that “group Hypo (n = 30) received 11.25 mg of ropivacaine (7.5 mg mL⁻¹) + 2 mL of distilled water (density at room temperature was 0.997)”. Because ropivacaine (7.5 mg mL⁻¹) is isobaric solution and density of distilled water is 1, why the density of mixed solution was 0.997? I made these mixed solution to survey the density, and the density was 1.006. Please tell me the answer, and tell me your way to make the mixed solution and survey the density. Thank you very much.

Conflicts of interest

The author declares no conflicts of interest.

Reference


Da-Qiang Zhao

Department of Anesthesiology, Shanghai Jiaotong University Affiliated Sixth People’s Hospital, Shanghai, China

E-mail: hellinspy@sohu.com (D. Zhao).

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