Stability of a parenteral admixture for epidural analgesia in labour

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INTRODUCTION

The addition of clonidine to epidural levobupivacaine and sufentanil for patient-controlled epidural analgesia in labour seems to improve analgesia, reduce suplementation rate and pruritus(1). Clonidine, levobupivacaine and sufentanil are mixed in the same infusion bag. However, there is no publication to prove the stability of the admixure during the infusion. The aim of our study was to validate the compatibility and stability of the three drugs in this admixure.

MATERIALS AND METHODS



DISCUSSION, CONCLUSION

Based on the present results, admixure of levobupivacaine, clonidine and sufentanil remains stable under clinical conditions and can be used to give efficient and safer pretreatment in epidural patient-controlled analgesia



References

(1) Wallet F., Clement H.J., Bouret C. et al. Effects of continuous low-dose clonidine epidural regimen on pain, satisfaction and adverse events during labour: a randomized, double-blind, placebo controlled trial. Eur. J. Anaesthesiol., 2010, 27(5): 441-7