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## 注射用夫西地酸钠对患者血清总胆汁酸检验结果的影响

Effect of Sodium Fusidate for Injection on Detection of Serum Total Bile Acid

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中文关键词: [夫西地酸钠](#) [总胆汁酸检验值](#)

英文关键词: [sodium fusidate](#) [total blile acid](#)

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中文摘要:

目的 探讨注射用夫西地酸钠对血清总胆汁酸(TBA)检验结果的影响。方法 采用酶循环法测定血清中的TBA含量。以蒸馏水为空白对照, 分别测定新鲜血清、不同浓度的注射用夫西地酸钠与蒸馏水混合溶液、不同浓度的注射用夫西地酸钠与新鲜血清混合溶液的TBA含量, 每个样品重复3次。结果 血清TBA浓度为 $4.4 \mu\text{mol} \cdot \text{L}^{-1}$ ; 夫西地酸钠蒸馏水混合溶液及其2, 4, 8, 16倍稀释液的TBA平均浓度分别为215.36, 126.41, 75.12, 36.78,  $19.65 \mu\text{mol} \cdot \text{L}^{-1}$ ; 夫西地酸钠溶液及其2, 4, 8, 16倍稀释液分别与新鲜血清混合溶液的TBA平均浓度分别为222.47, 133.92, 83.26, 43.31,  $23.58 \mu\text{mol} \cdot \text{L}^{-1}$ 。结论 注射用夫西地酸钠可明显影响患者血清中TBA含量的测定, 使检验结果显著升高。因此对需要检测肝功能的患者, 建议检测前停止使用注射用夫西地酸钠。

英文摘要:

OBJECTIVE To investigate the effect of sodium fusidate on detections of serum TBA. METHODS Serum TBA were detected using the circulating enzymatic method. Distilled water was treated as a blank control, the amount of TBA was analyzed in different solutions as follows: serum, different concentrations of the mixture of sodium fusidate and distilled water, different concentrations of the mixture of sodium fusidate and serum. Each solution was analyzed triplicatedly. RESULTS The average serum TBA was  $4.4 \mu\text{mol} \cdot \text{L}^{-1}$ . However, the average results of TBA in the mixture of sodium fusidate and distilled water and in its dilutions of 2, 4, 8, 16 times were 215.36, 126.41, 75.12, 36.78,  $19.65 \mu\text{mol} \cdot \text{L}^{-1}$ , respectively. Correspondendly, the average results of sodium fusidate serum mixture and its 2, 4, 8, 16 times dilutions were 222.47, 133.92, 83.26, 43.31,  $23.58 \mu\text{mol} \cdot \text{L}^{-1}$ , respectively. CONCLUSION The assays desmontrate that sodium fusidate could severely affect the detection of serum

TBA and give rise to significant increases. Therefore, it is suggested that those patients who need to check their liver functions should stop using sodium fusidate before doing the tests.

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