

R1 R2 R3 PG0 PG1 Estagiário Tecnólogo
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Venous Blood pH changes during angiofluoresceinography phases Grottone , G.T. ; Bordon , A.F.

Purpose : To evaluate the effect of Sodium Fluorescein 20% administration in humans regarding venous gasometric alterations . Methods: Twenty patients were included in our study. Informed consent was obtained. A regular angiofluoresceinography complemented with three venous blood samples for gasometric analysis was done. Ophthalmos Sodium Fluorescein 20% was used in all cases with a 2,5 ml injection in 10 seconds . The blood was sampled before the injection o SF 20% , after 15 seconds and after 15 minutes . Variables studied were pH , pO₂ , pCO₂ , CO₂T and side effects . Results : A difference was noted between the results of the same patient considering the sample number 1 and number 2. After 15 minutes of examination the results of gasometric changes returned to the base levels. No association with side effects of major importance, but at least 5 patients presented side effects with no major alteration of the studied factors. Conclusion : No important difference was noted during the procedure and this should be expected to happen due to complex acid-alkali buffer in blood. Even with a slight alteration of the values , pH is almost the same before and after the injection of SF20%. Further studies should be done to confirm this hypothesis.