

# **Plasma catecholamine concentrations-- changes after infiltration with local anaesthetic solutions and adrenaline during bat-ear surgery**

Lew, JK; Mobley, KA; Achola, KJ; Smith, G

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## **Abstract:**

Plasma catecholamine concentrations were measured in 12 patients who had bilateral bat-ear surgery following infiltration of each ear with 2 ml 2% lignocaine with adrenaline 1:100,000. Venous blood samples were withdrawn before and at set intervals after infiltration. Plasma adrenaline concentration increased from 0.8 pmol/ml to a peak of 2.2 pmol/ml at 2 minutes after infiltration; this is an increase of 175%. There was no significant change in plasma noradrenaline concentration