

AN ECHOCARDIOGRAPHIC STUDY IN CARDIOVASCULAR-DISEASED PATIENTS DURING DENTAL TREATMENT USING LOCAL ANAESTHESIA WITH ADRENALINE .

THE NEW EGYPTIAN JOURNAL OF MEDICINE , 5 :1-11 , 1991 .

دراسة تأثير المخدر الموضعي المحتوى على مادة الأدرينالين على مرضى القلب .

ABSTRACT:

The cardiac function in a sample of cardiovascular patients was investigated by echocardiography during dental treatment using local anaesthesia .The anaesthetic used was 2 %lidocaine with 1 :100 , 000 epinephrine , which is now considered by many authors as a safe concentration .It was found at the end of the study that the cardiac output , stroke volume , heart rate , ejection fraction as well as other parameters were , unexpectedly , enhanced and increased in cardiovascular patients .These parameters were not changed in normal healthy patients . It was concluded , hence , that lidocaine 2 %with adrenaline 1 :100,000 should be used with caution in cardiovascular diseased patients .