

## البحث الأول

بحث مشترك منشور غير مشتق من رسالة علمية

### عنوان البحث :

مقارنة كفاءة التشخيص بالفحص الاكلينيكي والموجات الصوتية علي القلب في تقييم لغط القلب في الاطفال  
Diagnostic Accuracy of Clinical Diagnosis Versus  
Echocardiography in Evaluating Heart Murmurs in Egyptian Children .  
المصريين .

### المشاركون في البحث :

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### مكان نشر البحث:

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### **Abstract**

**Objective:** To assess diagnostic accuracy of clinical diagnosis versus echocardiography in evaluating childhood heart murmurs.

**Methods:** We investigated 95 children aged below 12 years with heart murmurs admitted to Fayoum University Hospital during the period of January 2011 to December 2012. Data on age, gender, provisional clinical diagnosis and final echocardiographic diagnosis were taken. Statistical analysis of data was performed.

**Results:** The studied sample involved 54(56.3%) males and 41(43.2%) females with a male to female ratio 1.3:1. The median age was 1 year (range 4 months to 12 years). Those below the age of 1 year constituted nearly one half of cases 48 (50.5%) compared to other age groups. Median for weight was 8.5 Kg (range from 2-30 Kg). There was positive consanguinity in 20 cases (21.1%).

**Conclusion:** Though echocardiography can be used to precisely evaluate heart murmurs, the role of comprehensive history taking and meticulous physical examination must not be neglected. Defect in specific accuracy of clinical acumen

noted by the pediatricians who cared for the studied patients probably reflects their different standards in medical education and clinical training .Developing and implementing advanced physical diagnosis curriculum, establishing training programs in cardiology for pediatricians and provision of well-trained pediatric echo cardiographers seem crucial. These options will eventually contain medical expenses

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