بسم الله الرحمن الرحيم

HOSSAM MAGHRABY

شبكة المعلومات الجامعية

التوثيق الالكتروني والميكروفيلم

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جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها

علي هذه الأقراص المدمجة قد أعدت دون أية تغيرات

يجب أن

تحفظ هذه الأقراص المدمجة بعيدا عن الغبار

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Assessment of Left Ventricular function using two- and three-dimensional speckle tracking Echocardiography among healthy Egyptian pediatric-aged children

Thesis

Submitted for Partial Fulfillment of Master Degree in Cardiology

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بِسْمِ اللَّهِ الرَّحْمَٰنِ الرَّحِيمِ

قَالُوا

سبحانك لا علم لنا إلا ما علمتنا إنك أنت العليم الحكيم

صدق الله العظيم

سورة البقرة الآية: ٣٢

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Hany Nazmy

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List of Abbreviations

Abb.	Full term
2D	Two dimensional
3D	Three dimensional
AO	Aortic diameter
BSA	Body surface area
EDD	End diastolic diameter
EDV	End diastolic volume
EF	Ejection fraction
ESD	End systolic diameter
ESV	End systolic volume
FS	Fractional shortening
GCS	Global circumferential strain
GLS	Global longitudinal strain
GRS	Global radial strain
LA	Left atrium
LAX	Long axis
LV	Left ventricle
LVPW	left ventricular posterior wall
M-Mode	Motion mode
SAX	Short axis
TAPSE	Tricuspid annular plane systolic excursion

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