



شبكة المعلومات الجامعية  
التوثيق الإلكتروني والميكروفيلم

# بسم الله الرحمن الرحيم



**MONA MAGHRABY**



شبكة المعلومات الجامعية  
التوثيق الإلكتروني والميكرو فيلم



# شبكة المعلومات الجامعية التوثيق الإلكتروني والميكرو فيلم



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# جامعة عين شمس

## التوثيق الإلكتروني والميكروفيلم

### قسم

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تحفظ هذه الأقراص المدمجة بعيدا عن الغبار



**MONA MAGHRABY**



# **Left Ventricular Assist Device Therapy in Heart Failure: A Meta-Analysis**

*Submitted for Partial Fulfillment of  
Master's degree in **Cardiothoracic Surgery***

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

# قالوا

لَسْبَحَانَكَ لَا عِلْمَ لَنَا  
إِلَّا مَا عَلَّمْتَنَا إِنَّكَ أَنْتَ  
الْعَلِيمُ الْعَظِيمُ

صدق الله العظيم

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# *List of Abbreviations*

<b>Abb.</b>	<b>Full term</b>
<b>ACE</b>	<i>Angiotensin converting enzyme inhibitor</i>
<b>AF</b>	<i>Atrial Fibrillation</i>
<b>AHA</b>	<i>American Heart Association</i>
<b>AHF</b>	<i>Acute Heart Failure</i>
<b>BiVAD</b>	<i>Biventricular Assist Device</i>
<b>BTT</b>	<i>Bridge to transplantation</i>
<b>CAV</b>	<i>Cardiac allograft vasculopathy</i>
<b>CF- LVAD</b>	<i>Continuous Flow Left Ventricular Assist Device</i>
<b>CI</b>	<i>Confidence Interval</i>
<b>CV</b>	<i>Cardiovascular</i>
<b>DCD</b>	<i>Donation after circulatory death</i>
<b>dd-cfDNA</b>	<i>Donor-derived cell-free DNA</i>
<b>DT</b>	<i>Destination therapy</i>
<b>ECD</b>	<i>Extended criteria donor</i>
<b>EKB</b>	<i>Egyptian Knowledge Bank</i>
<b>ENDURANCE</b>	<i>The HeartWare® Ventricular Assist System as Destination Therapy of Advanced Heart Failure</i>
<b>EUROMACS</b>	<i>European Registry for Patients with Mechanical Circulatory Support</i>
<b>FDA</b>	<i>Food and Drug Administration</i>
<b>GI</b>	<i>Gastrointestinal</i>
<b>GRADE</b>	<i>Grading of Recommendations, Assessment, Development and Evaluation</i>
<b>HF</b>	<i>Heart failure</i>



## *List of Abbreviations (Cont...)*

<b>Abb.</b>	<b>Full term</b>
<b><i>HFmrEF</i></b>	<i>Heart failure with mid-range ejection fraction</i>
<b><i>HFpEF</i></b>	<i>Heart failure with preserved ejection fraction</i>
<b><i>HFrEF</i></b>	<i>Heart failure with reduced ejection fraction</i>
<b><i>HMII</i></b>	<i>HeartMate II</i>
<b><i>HMIII</i></b>	<i>HeartMate III</i>
<b><i>HTx</i></b>	<i>Heart Transplantation</i>
<b><i>HVAD</i></b>	<i>HeartWare Ventricular Assist Device</i>
<b><i>I2</i></b>	<i>Heterogenicity Index</i>
<b><i>ISHLT</i></b>	<i>The International Society for Heart and Lung Transplantation</i>
<b><i>IV</i></b>	<i>Intravenous</i>
<b><i>LV</i></b>	<i>Left Ventricle</i>
<b><i>LVAD</i></b>	<i>Left Ventricular Assist Device</i>
<b><i>LVEF</i></b>	<i>Left Ventricular Ejection Fraction</i>
<b><i>MI</i></b>	<i>Myocardial Infarction</i>
<b><i>MOF</i></b>	<i>Multiple Organ Failure</i>
<b><i>MOMENTUM</i></b>	<i>Multicenter Study of MagLev Technology in Patients Undergoing Mechanical Circulatory Support Therapy with HeartMate 3</i>
<b><i>MRA</i></b>	<i>Mineralocorticoid Receptor Antagonist</i>
<b><i>mRS</i></b>	<i>Modified Rankin Scale</i>
<b><i>NYHA</i></b>	<i>New York Heart Association</i>
<b><i>OR</i></b>	<i>Odds Ratio</i>