

# **The Role of Functional MRI in Neurological Diseases**

*Essay*

*Submitted for partial fulfillment of Master Degree*

*In Neuropsychiatry*

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وَقُلْ اَعْمَلُوا فَسَيَرَى اللّٰهُ  
عَمَلَكُمْ وَرَسُولُهُ وَالْمُؤْمِنُونَ

سورة التوبة الآية (105)





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**Mohammed Said Hassan**



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# Introduction

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## Aim of the Work

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# Review of Literature

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# Arabic Summary

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Ch. (I)

# Functional Magnetic Resonance Imaging (fMRI)

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Ch. (II)

Brain Mapping Using  
Functional Magnetic  
Resonance Imaging

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Ch. (III)

Functional MRI in  
Cerebrovascular Stroke

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Ch. (IV)

## Functional Magnetic Resonance Imaging in Dementia

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Ch. (V)

Functional Magnetic  
Resonance Imaging in  
Epilepsy

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Ch. (VI)

## Functional MRI in Cortical Representation of Pain

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## Ch. (VII)

# FMRI in Neuroplasticity and Brain Reorganization and Rehabilitation after Injury

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# Discussion

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