بسم الله الرحمن الرحيم

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Cognitive Impairment in Paediatric Onset Multiple Sclerosis and its relation to Thalamic Volume and Cortical Thickness of Temporal Lobe by Magnetic Resonance Imaging

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قالوا

سبحانك لا علم لنا
إلا ما علمتنا إنك أنت
العليم الحكيم

صدق الله العظيم

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List of Contents

Subject	*Page No.*
List of Abbreviations	**i**
List of Figures	**iv**
List of Tables	**iii**
Introduction	**1**
Aim of the Work	**4**
Review of Literature	
Pediatric-Onset Multiple Sclerosis (POMS)	5
Cognitive Impairment in POMS	27
Brain Imaging and Voulmetry	46
Subjects and Methods	**85**
Results	**90**
Discussion	**138**
Summary	**152**
Limitations of the study	**154**
Conclusions	**155**
Recommendations	**156**
References	**157**
Appendices	**I**
Arabic Summary	**—**

List of Abbreviations

Abbr.	Full-term
ADEM	**:** Acute disseminated encephalomyelitis
ADEMON	**:** ADEM associated with optic neuritis
ADHD	**:** Attention deficit hyperactivity disorder
ADS	**:** Acquired demyelinating syndrome
AOMS	**:** Adult-onset multiple sclerosis
APT	**:** Attention Processing Training program
BICAMS	**:** Brief international cognitive assessment for multiple sclerosis
BMI	**:** Body mass index
BV	**:** Brain volume
CIS	**:** Clinically isolated syndrome
CIS	**:** Clinically isolated syndrome
CNS	**:** Central nervous system
DGM	**:** Deep gray matter
DMTs	**:** Disease modefing therapies
EDSS	**:** Expanded disability status scale
GM	**:** Gray matter
GMF	**:** GM fractional
HLA	**:** Human leukocyte antigen
IPMSSG	**:** International Pediatric MS Study Group
LH	**:** Left hemisphere
MOG	**:** Myelin Oligodendrocyte Glycoprotein
MS	**:** Multiple sclerosis
MTR	**:** Magnetization transfer ratio
NAWM	**:** Normal appearing white matter

NEDA : No evidence of disease activity
NFL : Neurofilament light chain
PET : Positron emission tomography
PiB : Pittsburgh compound B
PIBPET : Positron emission tomography, Pittsburgh compound B
POMS : Pediatric-onset multiple sclerosis
PPMS : Primary progressive MS
PPMS : Primary-progressive multiple sclerosis
RAVLT : Rey auditory verbal learning test
RH : Right hemisphere
RRMS : Relapsing-remitting MS
SCCs : Subjective cognitive concerns
SCD : Subjective cognitive decline
SD : Standard deviation
SDGM : Subcortical deep GM
SDMT : Symbol Digit Modalities Test
SES : Socioeconomic status
SNPs : Single nucleotide polymorphisms
SPART : Spatial Recall Test
SPART-D : Spatial Recall Test Delayed
TMT : Trail Making Test
WM : White matter
WMF : WM fractional
3D : Three dimensional

List of Figures

Figure No.	Title	Page No.
Figure (13):	Statistically significant negative correlation between age "years" with Non-verbal IQ.**Error! Bookmark not defined.**	
Figure (2):	Magnetic Resonance Imaging in Multiple Sclerosis standardized brain MRI protocol to evaluate patients wheneverMultiple sclerosis is clinically suspected.....	19
Figure (3):	Shape differences between multiple sclerosis patients and healthy controls.....	58
Figure (4):	Cortical thickness borders overlaid on an anatomical T1-weighted Freesurfer image	62
Figure (5):	Example of Brainsuite processing steps for volumetric assessment	63
Figure (6):	Example of brain cortical and subcortical labeling using Freesurfer.....	65
Figure (7):	Cortical thickness map (BrainVoyager QX cross-platform software)	66
Figure (8):	Mechanisms of late axonal loss. Molecular and cellular mechanisms driving neurodegeneration and atrophy.	74
Figure (9):	Cortical thickness measurements.	79
Figure (10):	Comparison between control groups and MS group according to age "years".....	91

Figure (11): Comparison between control groups and MS group according to sex. 92

Figure (12): Comparison between control groups and MS group according to temporal lobe cortex thickness (left side). 97

Figure (13): Comparison between control groups and MS group according to temporal lobe cortex thickness (right side)..... 97

Figure (14): Comparison between control groups and MS groupaccording to relative thalamus volume..... 99

Figure (15): Bar chart Full scale IQ, Non-verbal IQ and Verbal IQ distribution among MS group. 105

Figure (16): Statistically significant positive correlation between superior tempoeral thickness "left" with Non- verbal: verbal-fluid reasoning. 108

Figure (17): Statistically significant positive correlation between superior tempoeral thickness "left" with Non- verbal: knowledge. 108

Figure (18): Statistically significant negative correlation between superior tempoeral thickness "left" with Non- verbal: visual spatial processing. 108

Figure (19): Statistically significant positive correlation between superior tempoeral thickness "left" with Verbal: Quantitative reasoning. 108

Figure (20): Statistically significant positive correlation between superior tempoeral thickness "left" with Verbal: visual spatial processing. 109

Figure (21): Statistically significant positive correlation between middle temporal thickness "left" with Verbal: quantitative reasoning. 109

Figure (22): Statistically significant positive correlation between middle temporal thickness "left" with Verbal: visual spatial processing. 109

Figure (23): Statistically significant positive correlation between inferior temporal thickness "left" with Verbal: quantitative reasoning. 109

Figure (24): Statistically significant negative correlation between fusiform thickness "left" with Non Verbal: working memory. 110

Figure (25): Statistically significant positive correlation between fusiform thickness "left" with..... 110

Figure (26): Statistically significant positive correlation between parahippocampal thickness "left" with Non-Verbal: verbal-fluid reasoning. 110

Figure (27): Statistically significant positive correlation between parahippocampal thickness "left" with Verbal: quantitative reasoning. 110

Figure (28): Statistically significant positive correlation between parahippocampal thickness "left" with Verbal: visual spatial processing. 111

Figure (29): Statistically significant positive correlation between parahippocampal thickness "left" with Verbal: verbal-fluid reasoning. 111

Figure (30): Statistically significant positive correlation between average of temporal lobe cortex thickness "left" with Verbal: quantitative reasoning. 111

Figure (31): Statistically significant positive correlation between average of temporal lobe cortex thickness "left" with Verbal: visual spatial processing. 111

Figure (32): Statistically significant positive correlation between superior temporal thickness "left" with full scale IQ. 112

Figure (33): Statistically significant positive correlation between superior temporal thickness "left" with full Verbal IQ. 112

Figure (34): Statistically significant positive correlation between Middle temporal thickness "left" with Verbal IQ. 112

Figure (35): Statistically significant positive correlation between inferior temporal thickness "left" with full scale IQ. 112

Figure (36): Statistically significant positive correlation between inferior temporal thickness "left" with verbal IQ. 113

Figure (37): Statistically significant positive correlation between parahippocampal thickness "left" with full scale IQ..... 113

Figure (38): Statistically significant positive correlation between parahippocampal thickness "left" with Non verbal IQ. 113

Figure (39): Statistically significant positive correlation between parahippocampal thickness "left" with verbal IQ. 113

Figure (40): Statistically significant positive correlation between average of temporal lobe cortex thickness "left" with full-scale IQ. 116

Figure (41): Statistically significant positive correlation between average of temporal lobe cortex thickness "left" with Non verbal IQ. 116

Figure (42): Statistically significant positive correlation between average of temporal lobe cortex thickness "left" with verbal IQ. 117

Figure (43): Statistically significant positive correlation between inferior temporal thickness "left" with verbal: knowledge..... 120

Figure (44): Statistically significant positive correlation between entorhinal thickness "right" with verbal: knowledge. 120

Figure (45): Statistically significant positive correlation between parahippocampal thickness "right" with non-verbal: verbal-fluid reasoning. 121

Figure (46): Statistically significant positive correlation between superior temporal thickness "right" with Full scale IQ..... 123

Figure (47): Statistically significant positive correlation between parahippocampal thickness "right" with Full scale IQ..... 123

Figure (48): Statistically significant positive correlation between parahippocampal thickness "right" with non verbal IQ. 123

Figure (49): Statistically significant positive correlation between parahippocampal thickness "right" with verbal IQ. 123

Figure (50): Statistically significant positive correlation between average of temporal lobe cortex thickness "right" with full scale IQ. 124

Figure (51): Statistically significant positive correlation between average of temporal lobe cortex thickness "right" with non-verbal IQ. 124

Figure (52): Statistically significant positive correlation between average of temporal lobe cortex thickness "right" with verbal IQ. 124

Figure (53): Statistically significant positive correlation between relative left thalamus volume with superior temporal thickness (left)..... 127

Figure (54): Statistically significant positive correlation between relative left thalamus volume with middle temporal thickness (left). 127

Figure (55): Statistically significant positive correlation between relative left thalamus volume with inferior temporal thickness (left). 127

Figure (56): Statistically significant positive correlation between relative left thalamus volume with fusiform thickness (left). 127

Figure (57): Statistically significant positive correlation between relative left thalamus volume with entorhinal 128

Figure (58): Statistically significant positive correlation between relative left thalamus volume with parahippocampal thickness (left)..... 128

Figure (59): Statistically significant positive correlation between relative left thalamus volume with average of temporal lobe cortex thickness (left)..... 128

Figure (60): Statistically significant positive correlation between relative left thalamus volume with superior temporal thickness (right)..... 128

Figure (61): Statistically significant positive correlation between relative left thalamus volume with fusiform thickness (right). 129

Figure (62): Statistically significant positive correlation between relative left thalamus volume with entorhinal thickness (right). 129

Figure (63): Statistically significant positive correlation between relative left thalamus volume with average of temporal lobe cortex thickness (right). 129

Figure (64): Statistically significant positive correlation between relative right thalamus volume with parahippocampal thickness (left)..... 129

Figure (65): Statistically significant positive correlation between relative right thalamus volume with 130

Figure (66): Statistically significant positive correlation between relative right thalamus volume with parahippocampal thickness (right). 130

Figure (67): Statistically significant positive correlation between relative right thalamus volume with average of temporal lobe cortex thickness (right). 130

Figure (68): Statistically significant negative correlation between relative left thalamus volume with non-verbal: visual spatial processing..... 132

Figure (69): Statistically significant positive correlation between relative left thalamus volume with verbal: quantiative processing. 132

Figure (70): Statistically significant negative correlation between relative right thalamus volume with non- verbal: visual spatial processing..... 132

Figure (71): Statistically significant positive correlation between relative right thalamus volume with verbal: quantiative processing..... 132

Fig. (72): Statistically significant negative correlation between age "years" with Non-verbal IQ. 134