



Role of Right Cerebral Hemisphere in Language Processing in Dysphasic Patients

Essay

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دور نصف الكرة الدماغى الأيمن فى التصنيع اللغوى فى مرضى العي اللفظى

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وَقُلْ اَعْمَلُوا فَسَيَرَى اللّٰهُ
عَمَلَكُمْ وَرَسُولُهُ وَالْمُؤْمِنُونَ

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Abbreviation

ABD-2	Apraxia Battery for Adults—Second Edition
ADT	Aachen Dysphasia Test
AMT	Active Motor Threshold
ASL	American Sign Language
a-tDCS	anodal transcranial direct current stimulation
BADD	Battery for the Analysis of Dphasic Disorders
BDDE	Boston Diagnostic Dysphasia Examination
BNT	Boston Naming Test
BOLD	Blood oxygen level–dependent
CAL	Communicative Abilities Log
CIAT	Constraint-induced dysphasia therapy
CIDT	Constraint-induced dysphasia therapy
CILT	Constraint-induced language therapy
COWAT	Controlled Oral Word Association Test
CPAP	Continuous Positive Airway Pressure
cTBS	Continuous Theta Burst Stimulation
c-tDCS	cathode altranscranial direct current stimulation; ctrl, control
dIPFC	Dorsolateral prefrontal cortex
DQ	Dysphasia Quotient
DSRS	Dysphasia Severity Rating Scale
DTI-FA	Diffusion Tensor Imaging—Fractional Anisotropy
DTI	Diffusion tensor imaging
DWI	Diffusion weighted imaging
EEG	Electroencephalographic
ERP	Event-related potentials
fMRI	Functional magnetic resonance imaging
fTCD	Functional transcranial Doppler ultrasonography
FU	Follow-up in months after treatment
HRF	Hemodynamic response function
IFG	Inferior frontal gyrus
IFG/IC	Inferior frontal gyrus and the adjacent insular cortex
iTBS	intermittent the tabor ststimulation
J-WAB	Japanese-Western Dysphasia Battery
K-WAB	Korean-Western Dysphasia Battery
LI	Lateralization index
LH	Left hemisphere
LPAD	Life Participation Approach to Dysphasia
mA	milliamperes

MEG	Magnetoencephalographic
MRI	Magnetic resonance imaging
NBS	non-invasive brain stimulation
PDCE	Promoting Dysphasia Communication Effectiveness
PET	Positron emission tomography
PFC	Prefrontal cortex
PISABDDE	Porch Index of Speech Ability and the Boston Diagnostic Dysphasia Examination
pMTG	Posterior middle temporal gyrus
POp	pars opercularis
PPD	Primary Progressive Dysphasia
PPVT	Peabody Picture Vocabulary Test
PTr	Parstriangularis
PSE	Pseudoword superiority effect
pSTG	Posterior superior temporal gyri
PPD	Primary progressive dysphasia
PPD-G	Primary progressive dysphasia-grammatic
PPD-L	Primary progressive dysphasia-logopenic
PPD-S	Primary progressive dysphasia-semantic
PSD	Post-stroke dysphasia
RCT	Randomised Controlled Trials
RMT	Resting Motor Threshold
rTMS	transcranial magnetic stimulation
PWI	Perfusion weighted imaging
RH	Right hemisphere
TMS	Transcranial magnetic stimulation
SFT	Semantic Fluency Test
SJT	Word, picture semantic judgment task
SLT	Speech language therapy
SLTD	Standard Language Test of Dysphasia
sPMv	Sparse Matrix-Vector multiplication
SMG	Supramarginal gyrus
TMS	Transcranial magnetic stimulation
STG	Superior temporal gyrus
tDCS	transcranial direct current stimulation
TIA	Transient ischemic attack
TIAs	Transient ischemic attacks
TPJ	Temporal-parietal junction
TTP	Time-to-peak
tDCS	transcranial direct current stimulation
VA	Veterans Affairs hospital
WDB	Western Dysphasia Battery
WDB-R	Western Dysphasia Battery—Revised
WSE	Word superiority effect



INTRODUCTION
