NEUROIMAGING IN CHILD PSYCHIATRIC DISORDERS

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Essay

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Dedicated to my Mother.

ABBREVIATIONS

99mTc	Technetium-99m
ADHD	Attention Deficit Hyperactivity Disorder
BD	Bipolar Disorder
BOLD	Blood Oxygen Level–Dependent
Cho	Choline Compounds
CMRGlc	Cerebral Glucose Metabolic Rate
COS	Childhood Onset Schizophrenia
Cr	Phosphocreatine
CT	Computerized Tomography
DTI	Diffusion Tensor Imaging
FA	Fractional Anisotropy
FDG	Fluorodeoxyglucose
FLAIR	Fluid Attenuation Inversion Recovery
fMRI	Functional Magnetic Resonance Imaging
HMPAO	Hexemethylpropylenamine Oxime
HU	Hounsfield Units
MDD	Major Depressive Disorder
MRI	Magnetic Resonance Imaging
MRS	Magnetic Resonance Spectroscopy
NAA	N-Acetyl Aspartate
NAA	N-Acetyl Compounds

OCD	Obsessive-Compulsive Disorder
PET	Positron Emission Tomography
PFC	Prefrontal Cortex
rCBF	Regional Cerebral Blood Flow
rCBF	Regional Cerebral Blood Flow
rCMRGlc	Regional Cerebral Glucose Metabolic Rate
RF	Radiofrequency
ROI	Region Of Interest
SM	Spectral Motion
sMRI	Structural Magnetic Resonance Imaging
SNR	Signal/Noise Ratio
SPECT	Single Photon Emission Computed Tomography
SSRIs	Selective Serotonin Reuptake Inhibitors
STEAM	Stimulated Echo Acquisition Method
STS	Superior Temporal Sulcus
TE	Echo Times
TR	Repetition Times
VBM	Voxel Based Morphometry

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INTRODUCTION