



Updated MR imaging of fetal intracranial anomalies

**Submitted for partial fulfillment of Master Degree in
Radiodiagnosis**

By

**Rahma Farghaly Ali Hassan
M.B.B.Ch**

Supervised by

**Prof.Dr. Safaa Kamal Mohammad
Badr-eldine**

**Professor of Radiodiagnosis
Faculty of Medicine - Ain Shams University**

Dr. Amir Louis louka

**Lecturer of Radiodiagnosis
Faculty of Medicine - Ain Shams University**

**Faculty of Medicine
Ain Shams University
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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

قالوا

لسبحانك لا علم لنا
إلا ما علمتنا إنك أنت
العليم العظيم

صدق الله العظيم

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List of Abbreviations

ACC	: Agenesis of Corpus Callosum
ACTH	: Adrenocorticotrophic hormone
ACR	: American College of Radiology
AVM	: Associated Ventriaculomegaly
BPD	: BiParietal diameter
b-FFE	: Balanced fast field echo
CMV	: Cytomegalovirus
CNS	: Central Nervous System
CSF	: Cerebrospinal fluid
dB[A]	: A-weighted decibel
DTI	: Diffusion Tensor Imaging
DWI	: Diffusion-Weighted Imaging
EPI	: Echo-planar imaging
ETL	: Echo train length
FIESTA	: Fast imaging employing steady-state acquisition
FISP	: Fast imaging with steady precession
FLAIR	: Fluid Attenuation Inversion Recovery
FLASH	: Fast gradient echo sequences with low flip angle shot

FMPSPGR	: Fast multiplanar spoiled gradient-recalled acquisition in the steady state turbo
FOV	: Field of view
GA	: Gestational age.
HASTE	: Half Fourier acquired single shot turbo spin echo
Hb	: Hemoglobin
HPE	: Holoprosencephaly
HSE	: Health and Safety Executive
ICNIRP	: International Commission on Non-Ionizing Radiation Protection
IVM	: Isolated Ventriculomegaly
Mm	: Millimeter
MRI	: Magnetic Resonance Imaging
MR	: Magnetic Resonance Spectroscopy
NEX	: Number of excitations
RBC	: Red Blood Cell
RF	: Radiofrequency
SD	: Standard deviation.
SNAPIR	: Snap-shot inversion recovery
SNR	: Signal-to-noise ratio
SSFP	: Steady state free precession.
SSFSE	: Single shot fast spin-echo

SSH-TSE	: Single-shot half spin-echo
T	: Tesla
TCD	: Transverse Cerebellar diameter.
TE	: Echo time
TFE	: Turbo field echo
TI	: Inversion time
TORCH	: Toxoplasmosis, Rubella, Cytomegalovirus and Herpes
TR	: Repetition time
US	: Ultrasound
VM	: Ventriculomegaly

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