The Role of Magnetic Resonance Enterography in the Evaluation of Patients with Small Bowel Crohn's Disease

Essay

Submitted for partial fulfillment of Master Degree in Radiodiagnosis

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دورالأشـــعة بالرنين المغناطيسي في تشخيص التهاب الأمعاء الدقيقة المعروف بمرض كرون

دراسـة مقدمة من الطبيب

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بسم الله الرحمن الرحيم

"قُلْ إِنَّ صَلَاتِي

وَنُسُكِي وَمَحْيَايَ وَمَمَاتِي

لِلَّهِ رَبِّ الْعَالَمِينَ (١٦٢)

لَا شَرِيكَ لَهُ وَبِذَلِكَ أُمِرْتُ

وَأَنَا أَوَّلُ الْمُسْلِمِينَ (١٦٣)"

صدق الله العظيم

الأنعام: ١٦٢-١٦٣


"قَالُوا سُبْحَانَكَ لاَ عِلْمَ لَنَا إِلاَّ مَا
عَلَّمْتَنَا إِنَّكَ أَنتَ الْعَلِيمُ الْحَكِيمُ"
صدق الله العظيم
سورة البقرة آية (٣٢)

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Abbreviations

٣D····· ٣ Dimensional
AI ····· Active Inflammation
C ····· Colon
CD ····· Crohn Disease
CDAI ····· Crohn Disease Activity Index
CGD ····· Chronic Granulomatous Disease
CMV····· Cyto-Megalo Virus
CT····· Computed Tomography
EGF····· Epidermal Growth Factor
ESR····· Erythrocyte Sedimentation Rate
FISP ····· Fast Imaging with steady state free Precession (= SSFP------Steady State Free Precession)
FLASH ····· Fast Low Angle Shot
GIT ····· Gastro-Intestinal Tract
GRE ····· Gradient Echo
HASTE····· Half-Fourier Acquisition Single-shot Turbo-spin- Echo
i.e.····· Id est (Latin: that is)
L····· Liter
MDCT····· Multi-Detector Computed Tomography
min····· minute
MIP ····· Maximum Intensity Projection
ml ····· milliliter
mm····· millimeter
mmol/kg ····· millimol/kilogram
MRE····· Magnetic Resonance Enterography
MRI····· Magnetic Resonance Imaging
msec ····· millisecond
mSv····· milliSevert

NSAIDs ····· Non Steroidal Anti-Inflammatory Drugs
RARE ····· Rapid Acquisition with Relaxation Enhancement
SBFT ····· Small Bowel Follow Through
SBO····· Small Bowel Obstruction
SI····· Small Intestine
SMA ····· Superior Mesenteric Artery
SSFP····· Steady State Free Precession (= FISP--Fast Imaging with steady state free Precession)
TI····· Terminal Ileum
TNF-a ····· Tumor Necrosis Factor-alpha
TSE ····· Turbo Spin Echo
UACL ····· Ulcer Associated Cell Lineage
UC ····· Ulcerative Colitis
VIBE ····· Volumetric Interpolated Breath-hold Examination
wt/vol····· Weight/Volume

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