

Table (1): laterality of MRI abnormal findings.

	number	Percentage
Unilateral	18	30 %
Bilateral	32	53.3 %
normal	10	16.7 %
total	60	100 %

Table (2): distribution of the main pathologies causing hip pain diagnosed by MRI in a total of 60 patients.

Condition	number	percentage
Avascular necrosis	15	25%
osteoarthritis	7	11.7%
Isolated Hip joint effusion	6	10%
Stress fracture	5	8.3%
Marrow edema with hip effusion	3	5%
tendinopathy	2	3.3%
Chronic anemic state	2	3.3%
Migratory osteoporosis	1	1.67%
Simple large ovarian cyst	1	1.67%
Bursitis	1	1.67%
Bone infarcts	1	1.67%
Hemorrhagic ovarian cyst	1	1.67%
hemosiderosis	1	1.67%
Sacroiliitis	1	1.67%
Femoral-acetabular impingement	1	1.67%
Iliacus abscess	1	1.67%
Femoral head bone marrow edema	1	1.67%
Normal both hips	10	16.7%
Total	60	100%

Table (3): details of abnormal MRI findings as demonstrated in total 60 MRI.

condition	number	percentage
Avascular necrosis	15	25%
osteoarthritis	11	18.4%
Stress fracture	6	10%
tendinopathy	3	5%
Chronic anemic state	2	3.3%
Migratory osteoporosis	1	1.67%
Osteoid osteoma	1	1.67%
Bursitis	2	3.3%
Bone infarcts	1	1.67%

Osseous hemangioma	1	1.67%
hemosiderosis	1	1.67%
Sacroiliitis	2	3.3%
Femoral-acetabular impingement	1	1.67%
Iliacus abscess	1	1.67%
Bone marrow edema	19	31.7%
Hip joint effusion	24	40%
Bony islands	1	1.67%
Bone cysts	1	1.67%
Muscle pathology	3	5%
Osteoporosis	2	3.3%
Pelvic ascites	1	1.67%
Synovitis	2	3.3%
Simple ovarian cyst	2	3.3%
Hemorrhagic ovarian cyst	1	1.67%
Normal both hips	10	16.7%
total	114	190%

Table (4): diagnostic MRI findings seen in cases of avascular necrosis.

MRI findings	Number	Percentage
Focal subchondral sign abnormality	15	100%
Double line sign	12	80%
Joint effusion	10	66.7%
Marrow edema	9	60%
Collapsed deformed femoral head	3	20%

Table (5): diagnostic MRI findings seen in cases of osteoarthritis.

MRI finding	Number	Percentage
Joint effusion	7	100%
Joint space narrowing	7	100%
Marginal osteophytes	7	100%
Subchondral cysts	6	85.6%
Marrow edema	3	42.9%
Synovial thickening	1	14.3%
Soft tissue edema	1	14.3%

