Supplementary file 1. Ultrasound findings in the hip, scoring systems and definitions used in the assessment.

Ultrasound finding	**Scoring system** *Binary, ordinal (semi-quantitatively) or numerical*	**Definition**
Joint recess profile	*(ordinal)* Concave Straight Convex	The course of the anterior joint recess along the anterior surface of the femoral neck
Bone-capsule distance (BCD) in the anterior joint recess	*(numerical)* Number in mm.	Distance from the outer femoral cortex to the outer edge of the capsule. A second measure was made from the femoral cortex to the inside edge of the capsule
Overall joint effusion/synovitis	*(binary)* Present / absent	Overall assessment of all the ultrasound findings related to effusion / synovitis
Femoral osteophytes	*(ordinal)* None, mild, moderate or severe	Classified according to OMERACT guidelines
Acetabular osteophytes	*(ordinal)* None, mild, moderate or severe	Classified according to OMERACT guidelines
Femoral head deformation	*(ordinal)* None, mild, moderate or severe	Normal (round), mild (slightly flattened), moderate (very flattened), severe (no obvious contour or the femoral head can be defined)
Femoral cartilage changes	*(ordinal)* None, mild, moderate or severe	Classified according to OMERACT guidelines
Femoral cartilage thickness	*(numerical)* Number in mm.	Anterior surface of femoral head, as close to labrum as possible.
Labrum changes	*(ordinal)* None, mild, moderate or severe	Normal (homogeneous echogenicity), mild (heterogeneous echogenicity and labrum poorly defined), moderate (definite pathology) and severe (pathology or degeneration to a degree were labrum was not defined)
Iliopsoas bursitis	*(binary)* Present / absent	Fluid associated with the iliopsoas tendon ventral to the hip joint
Trochanter bursitis	*(ordinal)* Present / absent	Fluid in any bursa in the trochanter region

OA grading	*(ordinal)* None, mild, moderate or severe	The degree of hip OA based on the ultrasound findings