

1. Search strategy used for PubMed database

((((((((((femoracetabular impingement[MeSH Terms]) OR femoroacetabular impingement*[Text Word]) OR FAI[Text Word]) OR cam impingement*[Text Word]) OR pincer impingement*[Text Word]) OR hip impingement*[Text Word]) OR hip pain[Text Word]) OR hip joint pain[Text Word]) OR groin pain[Text Word]) OR hip injur*[Text Word])) OR ((athletic injuries[MeSH Terms]) AND hip joint[MeSH Terms])

AND

("case-control studies"[MeSH Terms] OR "case comparison study"[Text Word] OR "control"[Title/Abstract] OR "normal*" [Title/Abstract] OR "asymptomatic" [Title/Abstract] OR "healthy"[Title/Abstract])

AND

("biomechanics"[MeSH Terms] OR "joint kinetics"[Text Word] OR "gait kinetics"[Text Word] OR "Gait"[Mesh Terms] OR "neuromuscular"[Text Word] OR "Electromyography"[Mesh Terms] OR "EMG"[Text Word] OR "musculoskeletal" [Text Word] OR "range of motion, articular"[MeSH Terms] OR "range of movement"[Text Word] OR "ROM"[Text Word] OR "Muscle Strength"[Mesh Terms] OR "impairment*" [Title/abstract] OR "Motor Activity"[Mesh Terms]) OR "Activities of Daily Living"[Mesh Terms] OR "activity limitation*" [Title/abstract] OR "activity restriction*" [Title/abstract] OR "postural balance"[MeSH Terms] OR "stair*" [Text Word] OR "squat*" [Text Word] OR "joint stiffness"[Text Word] OR "muscle weakness"[Text Word] OR "pain"[Text Word])