**The searching strategies used in platforms of PubMed and EMBASE**

1. **PubMed:**

*#1 (Femur Head Necroses[MeTH]) OR (Aseptic Necrosis of Femur Head) OR (Ischemic Necrosis Of Femoral Head) OR (Avascular Necrosis of Femur Head) OR (Osteonecrosis of the femoral head)*

*#2 (Core decompression[MeSH]) OR ( Core decompression)*

*#3 #1 OR #2*

1. ***Embase:***

*#1 'femur head necrosis'/exp*

*#2* *femur AND head AND necrosis*

*#3 osteonecrosis AND of AND femoral AND head*

*#4 avascular AND necrosis AND of AND femur AND head*

*#5 ischemic AND necrosis AND of AND femoral AND head*

*#6 aseptic AND necrosis AND of AND femur AND head*

*#7 Osteonecrosis AND of AND the AND femoral AND head*

*#8 #1 AND #2 AND #3 AND #4 AND #5 AND #6 AND #7*

*#9 'core decompression'/exp*

*#10 core AND decompression*

*#11 #9 AND #10*

*#12 #8 AND #11*