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After total hip arthroplasty (THA), polyethylene acetabular liner creep occurs quickly and serves to increases head–liner contact area and decrease contact pressures. What effect these

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During the 2011 EFORT Congress in Copenhagen, many interesting topics relating to tribology in total hip arthroplasty were discussed during a special day devoted entirely to the subject. EFORT decided that, given the wide interest in these discussions, publication of the presentations would be warmly welcomed by all fellow professionals who were unable to attend.

Total Hip Arthroplasty | SpringerLink Excessive activity or being overweight may speed up this normal wear and cause the hip replacement to loosen and become painful. Therefore, most Page 8/13

surgeons advise against high-impact activities such as running, jogging, jumping, or other high-impact sports.

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However, increasing the head size has been shown to accelerate polyethylene liner wear. Few studies have investigated the effect of other important structural parameters (such as polyethylene liner thickness, metal cup size, head-liner conformity, loading conditions and etc.) on the biomechanical functions of the THAs.

The Effect of Structural Parameters of Total Hip ...

Hip replacement surgery is usually necessary when the hip joint is worn or damaged so that your mobility is reduced and you are in pain even

while resting. The most common reason for hip replacement surgery is osteoarthritis. Other conditions that can cause hip joint damage include:

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Tribology of total hip arthroplasty
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Developments in total hip arthroplasty have been directed at reduction of the rate of failure while accommodating the high-activity profile and increased longevity of the modern patient.
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The operation of the century: total hip replacement - The ...

The overall consensus is that MoM hip resurfacing should not be banned and should be viewed separately from MoM total hip arthroplasty (THA) with a large diameter head because of the different design and wear behaviour related to the taper/trunnion

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