



Image Based vs Imageless Robot in Hip Replacement Surgery

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While we still do not have software for revision hip replacement, image based robots in hip replacement surgery helps to plan the cup placement in a better way as claimed.

Cementless cups is what has taken the world over since last many years and now plenty of centres all over the world have realised that John Charnleys results of cemented hips with pilot acetabular hole for cup fixation and lateralisation of trochanteric osteotomy, have not been reproduced.

While many had to revise cemented hips early due to poor technique, cementless was preferred as logical revision option. While the thought process aimed at simplifying revisions and thus preferring cementless hips, most people perhaps did not focus on improving technique to give long lasting primary cemented results.

Robot is another tool which will make surgeons less skilled and more dependant on the computer screen and more importantly, the soft tissues could be secondarily prioritised.

While image. Based robot may entail expenses of CT scan, it may help to plan pre operatively better than the imageless robot. The software does not offer corrections in millimetres and neither does the prosthetic design.

Ultimately it will depend on the smartness and experience of the surgeon to beat the robotic computer screen while adjusting neck length, lever arm, tissue tension, femoral version to match the combined version.

The robotic computer screen images will open the flood gates for further debates and this entire situation will provide enough fodder for the journals worldwide and also enough material for research to employ fellows, and the implant companies and robot makers are going to benefit and also rule the healthcare and the

surgeons!! and the patients are going to be at the receiving end and so also the insurance companies.

If at the end of next 25 years of this process, the healthcare industry is still not able to genuinely produce comparable results to the one given in the last century, then we might have to come back at the starting point.

Its the MAN vs the machine !

It is how wisely one can use and rely on the machine is probably going to be the derivative. Well, there could be many who already know it !!!.