Cemented Acetabular Liner

Although hip replacement procedures are expected to last 15 to 20 years, complications may require the need of a revision surgery to correct the implant. Under certain circumstances, surgeons opt to remove the acetabular liner but not to remove a well-fixed acetabular cup. The new liner may not be compatible to the existing cup because of availability issues or change in liner design. Surgeons will then use bone cement to fix the liner within the shell. Current research is ongoing to evaluate the fixation strength of this technique. Results from this study may provide surgeons with guidelines outlining recommendations for this procedure. Ultimately, patient care can be improved by characterizing this interface.