**Normal Pressure Hydrocephalus is Associated with Increased Risks of Postoperative Complications Following Total Knee and Total Hip Arthroplasty**

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*Introduction:* Normal pressure hydrocephalus (NPH) has not been studied as a potential risk factor for postoperative complications after primary total knee (TKA) and total hip arthroplasty (THA).

*Methods:* Nearly two thousand patients with a diagnosis of NPH who underwent TKA or THA from 2005 to 2014 were identified in a national insurance database and compared to 10:1 matched controls using a logistic regression analysis.

*Results:* NPH was associated with an increased risk of hospital readmission, ER visit, and infection following TKA (odds ratios between 1.48 to 2.70, all p<0.01). NPH was associated with increased risk of hospital readmission, ER visit, and dislocation following THA (odds ratios between 2.40 and 2.50, all p<0.01). NPH was also associated with significantly higher costs and hospital length of stay following both procedures.

*Conclusions:* The diagnosis of NPH is associated with an elevated risk of postoperative complications and increased resource utilization following TKA and THA.