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Kenneth L. Baker* (kenken@math.miami.edu), Department of Mathematics, Ungar 515, University of Miami, 1365 Memorial Drive, Coral Gables, FL 33146, and **R. Sean Bowman** and **John Luecke**. *Boundary-reducing surgeries and bridge number*.

Let M be a 3-dimensional handlebody of genus g . For each integer $g > 1$ we construct hyperbolic knots in M with arbitrarily large genus g bridge number which admit a cosmetic surgery, i.e. a non-trivial Dehn surgery to a genus g handlebody. This sharply contrasts what occurs when $g = 1$. (Received January 05, 2016)