

Comparison of Atmos and T-DOC Air-Charged Urodynamic Catheters in an In Vivo Case Report

Abstract

Aim: To compare pressure measurements of two urodynamic catheter systems in vivo as a case report.

Methods: Side-by-side catheterization with T-DOC and Atmos in a single cystometry study with voiding pressure and urethral pressure was performed to simultaneously compare full pressure tracings and signal analysis in a dynamic setting.

Results: Baseline pressures 0-1 cmH2O for all Pves, Pabd, Pura. Capacity ranged from 23-26 cmH2O. Cough range 92-95 cmH2O. Valsalva range 83-87 cmH2O.

Conclusion: Baseline pressures, peak pressures, and overall pressure tracings demonstrate equivalents within known intrinsic/extrinsic variations expected within an in vivo study.

