Table I Demographic and Operative Information

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| --- | --- | --- | --- | --- | --- | --- | --- |
| Study | Level of Evidence | Data Source (years) | Number | Mean Age (years) | Female (%) | Procedures\* | Outcome† |
| **Database** |  |  |  |  |  |  |  |
| Ding35 | III | SPARCS (2011-2014)1 | 4,158 | 68.7 | 55.8 | TSA, RTSA | LOS, DC |
| Dunn3 | III | ACS-NSQIP (2005-2011)2 | 2,004 | 68.8 | 57.0 | TSA, RTSA | LOS |
| Garcia11 | III | ACS-NSQIP (2005-2013)2 | 1,681 | 70.0 | 58.5 | TSA, RTSA | LOS |
| Griffin12 | III | NIS (2000-2008)3 | 58,790 | 68.8 | 62.0 | HA, TSA | LOS |
| Hambright13 | III | NIS (1988-2005)3 | 25,459 | 68.6 | 69.2 | TSA, RTSA | LOS, DC |
| Jain14 | III | NIS (1988-2000)3 | 30,046 | 68.4 | 62.0 | HA, TSA, RTSA | LOS, DC |
| Matsen16 | III | SPARCS (1998-2011)1 | 16,717 | NR | 63.2 | HA, TSA, RTSA | LOS |
| Menendez17 | III | NIS (2011)3 | 40,869 | 69.3 | 54.4 | TSA, RTSA | LOS |
| Murphy19 | III | NIS (2002-2011)3 | 422,371 | 69.3 | 60.3 | HA, TSA, RTSA | LOS, DC |
| Padegimas20 | III | Internal Database (2013-2015) | 272 | 65.0 | 47.8 | HA, TSA, RTSA | LOS |
| Pappou21 | III | Internal Database (2003-2010) | 84 | 70.6 | 79.8 | RTSA | DC |
| Ponce22 | III | NIS (2011)3 | 51,052 | 69.0 | 44.0 | TSA, RTSA | LOS, DC |
| Ponce23 | III | NIS (2002-2011)3 | 422,371 | 69.0 | 60.0 | HA, TSA, RTSA | LOS, DC |
| Singh25 | III | NIS (1998-2011)3 | 256,934 | 68.7 | 55.8 | TSA, RTSA | LOS, DC |
| Sivasundaram26 | III | NIS (2011-2012)3 | 103,798 | 69.7 | 56.6 | TSA, RTSA | DC |
| Stundner27 | IV | Premier (2007-2011) | 17,157 | 70.6 | 57.4 | TSA, RTSA | LOS |
| **Retrospective Review** |  |  |  |  |  |  |  |
| Chalmers33 | IV | Internal (2012) | 1,697 | 67.0 | 49.8 | TSA, RTSA | LOS, DC |
| Cheah34 | III | Internal (2012-2015) | 262 | 67.1 | 53.1 | TSA, RTSA | LOS, DC |
| Ricchetti24 | III | Internal (2011) | 90 | 71.0 | NR | TSA | LOS, DC |
| Routman38 | III | Internal (2013-2014) | 55 | 67.0 | 50.9 | HA, TSA, RTSA | LOS |
| Thompson40 | III | Internal (2010-2015) | 697 | 64.5 | 59.7 | HA, TSA, RTSA | LOS |
| Triplet28 | IV | Internal (NR) | 51 | 83.4 | 58.8 | TSA, RTSA | LOS |
|  |  |  |  |  |  |  |  |

**\*** HA = Hemiarthroplasty, TSA = Total Shoulder Arthroplasty (anatomic), RTSA = Reverse Total Shoulder Arthroplasty, NR = Not Reported, “---” = Not Applicable

† Reported outcome length of stay (LOS) or discharge disposition (DC)

Overlapping patients in SPARCS1, ACS-NSQIP2, and NIS3 databases