

**TABLE E-1 Description of Studies Included in the Meta-Analysis**

| Reference                       | Level of Evidence | No. of Patients | Follow-up (mo) | Groups  |
|---------------------------------|-------------------|-----------------|----------------|---|
| Bishop (2006) <sup>8</sup>      | II                | 102             | 12             | Open and arthroscopic repair  |
| Boehm (2005) <sup>9</sup>       | I                 | 100             | 26.5           | Open transosseous Mason-Allen Ethibond and Kessler PDS (polydioxanone suture) |
| Burks (2009) <sup>10</sup>      | I                 | 40              | 12             | Arthroscopic single row and double row  |
| Charousset (2007) <sup>11</sup> | II                | 66              | 28             | Arthroscopic single row and double row  |
| Deutsch (2008) <sup>12</sup>    | II                | 48              | 38             | Single-row single tendon or two tendon  |
| Franceschi (2007) <sup>13</sup> | I                 | 60              | 22.5           | Arthroscopic single row and double row  |
| Gulotta (2011) <sup>14</sup>    | II                | 193             | 60             | Arthroscopic cohort   |
| Kim (2012) <sup>2</sup>         | II                | 52              | 37.2           | Double-row and suture bridge  |
| Klepps (2004) <sup>15</sup>     | II                | 47              | 12             | Open repair   |
| Ko (2008) <sup>16</sup>         | II                | 78              | 31.1           | Arthroscopic modified mattress stitch and simple stitch                       |
| Koh (2011) <sup>17</sup>        | I                 | 71              | 31.9           | Arthroscopic single row and double row  |
| Lapner (2012) <sup>18</sup>     | I                 | 90              | 24             | Arthroscopic single row and double row  |
| Lee (2012) <sup>19</sup>        | II                | 85              | 25.2           | Early or delayed passive range of motion rehabilitation                       |
| Ma (2012) <sup>20</sup>         | II                | 64              | 33.4           | Arthroscopic single row and double row  |

**TABLE E-1 (continued)**

| Postoperative Imaging | Intact Cuffs (%) | Reported Outcome  | Power Analysis |
|-----------------------|------------------|---|----------------|
| MRI                   | 59.7             | ASES, Constant, VAS, strength   | Yes            |
| Ultrasound            | 79.6             | Constant  | Yes            |
| MRI                   | 90               | ASES, UCLA, Constant, Western Ontario Rotator Cuff Index, single assessment numeric evaluation, range of motion, strength | Yes            |
| CT arthrography       | 68.2             | Constant, VAS, strength   | Yes            |
| MRI                   | 87.2             | ASES, VAS, range of motion, strength  | No             |
| MR arthrography       | 94.2             | UCLA and range of motion  | No             |
| Ultrasound            | 81.1             | ASES, range of motion, strength   | No             |
| MRI and ultrasound    | 78               | ASES, Constant, UCLA, VAS, range of motion  | Yes            |
| MRI                   | 68.8             | ASES, Constant, UCLA, VAS, strength   | No             |
| MRI                   | 78.3             | UCLA and VAS  | Yes            |
| MRI                   | 77.6             | ASES, Constant, UCLA, VAS, range of motion  | Yes            |
| MRI and ultrasound    | 72.4             | ASES, Constant, Western Ontario Rotator Cuff Index, strength  | Yes            |
| MRI                   | 85.9             | UCLA, VAS, range of motion, strength  | No             |
| MR arthrography       | 83               | ASES, UCLA, strength  | Yes            |