

Appendix C Study characteristics

| Authors | Year | Closed fractures | Male | Mean age | Follow-up mean (months) | Total radial nerve palsy | Primary radial nerve palsy (recovered) | Secondary radial nerve palsy (recovered) | Intervention(s) |
|-------------------------------------|------|------------------|------|----------|-------------------------|--------------------------|--|--|-------------------------------------|
| An et al. ³⁰ | 2012 | 34 | 23 | 37 | 22 | 0 | excluded | 0 | MIPO vs. IMN |
| An et al. ⁴⁸ | 2010 | 33 | 21 | 37 | 29 | 5 | excluded | 5 (5) | MIPO vs. Plating |
| Apivatthakakul et al. ³¹ | 2009 | 20 | * | * | 14 | 0 | excluded | 0 | MIPO |
| Arora et al. ⁴¹ | 2011 | 60 | * | * | 3 | 3 | excluded | 3 (*) | Plating |
| Balam et al. ⁸ | 2014 | 37 | 33 | 28 | 18 | 2 | excluded | 2 (2) | MIPO |
| Belayneh et al. ⁹ | 2019 | 98 | 46 | 49 | 7 | 8 | 8 (8) | 0 | Non-operative treatment vs. Plating |
| Brunner et al. ³² | 2012 | 14 | 7 | 64 | 25 | 0 | excluded | 0 | MIPO |
| Chao et al. ³³ | 2005 | 92 | 53 | 51 | 71 | 9 | 6 (6) | 3 (3) | Plating vs. Nailing |
| Concha et al. ³⁴ | 2010 | 20 | * | * | 12 | 0 | 0 | 0 | MIPO |
| Dielwart et al. ¹⁰ | 2017 | 71 | 41 | 38 | 4 | 15 | 15 (13) | 0 | Non-operative vs. Plating or IMN |
| Duygun et al. ¹¹ | 2017 | 24 | 12 | 42 | 24 | 1 | 0 | 1 (1) | IMN |
| Ebrahimipour et al. ¹² | 2015 | 41 | 34 | 39 | 12 | 4 | 3 (3) | 1 (1) | Nailing |
| Ekhholm et al. ⁴⁷ | 2008 | 27 | 9 | 51 | 76 | 6 | 6 (6) | 0 | Non-operative, Plating, IMN |
| Fan et al. ¹³ | 2015 | 60 | 37 | 39 | 12 | 3 | excluded | 3 (3) | Plating vs. IMN |
| Galluci et al. ¹⁴ | 2015 | 20 | 12 | 38 | 22 | 1 | 0 | 1 (1) | MIPO |
| Habernek et al. ⁴⁹ | 1992 | 10 | 7 | * | 3 | 0 | 0 | 0 | IMN |
| Han et al. ¹⁵ | 2017 | 96 | 56 | 43 | 31 | 2 | excluded | 2 (2) | IMN vs. IMN with cerclage cables |
| Jawa et al. ³⁵ | 2006 | 40 | 20 | 45 | 21 | 9 | 6 (5) | 4 (2) | Non-operative vs. Plating |
| Kharbanda et al. ¹⁶ | 2017 | 18 | 12 | 44 | 26 | 2 | 2 (2) | 0 | Plating |
| Ko et al. ¹⁷ | 2017 | 50 | 34 | 56 | 19 | 3 | Excluded | 3 (3) | MIPO |
| Lau et al. ³⁶ | 2007 | 17 | 7 | 65 | 14 | 3 | excluded | 3 (3) | MIPO |

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|---------------------------------|------|-----|-----|----|----|----|----------|-------|--------------------------|
| Lee et al. ¹⁸ | 2018 | 18 | 10 | 35 | 12 | 4 | 4 (4) | 0 | Plating |
| Li et al. ⁴² | 2011 | 45 | 32 | 38 | 12 | 3 | excluded | 3 (3) | Plating vs. IMN |
| Liebergall et al. ³⁷ | 1997 | 19 | * | * | 36 | 3 | 3 (2) | 0 | IMN |
| Lin et al. ³⁸ | 2003 | 16 | 8 | 40 | 22 | 2 | 2 (2) | 0 | IMN |
| Livani et al. ⁴³ | 2004 | 11 | 9 | 41 | 27 | 0 | 0 | 0 | MIPO |
| Malhan et al. ⁴⁴ | 2012 | 42 | 28 | 34 | 25 | 1 | excluded | 1 (0) | MIPO |
| Matsunaga et al. ¹⁹ | 2017 | 110 | 73 | 39 | 12 | 2 | excluded | 2 (2) | Non-operative vs. MIPO |
| Pal et al. ²⁰ | 2015 | 49 | 26 | 40 | 41 | 6 | 6 (5) | 0 | Non-operative |
| Pehlivan et al. ⁴⁵ | 2002 | 21 | 17 | 25 | 9 | 0 | 0 | 0 | Non-operative |
| Salvador et al. ²¹ | 2018 | 60 | 18 | 67 | 11 | 2 | excluded | 2 (2) | IMN with cerclage cables |
| Seo et al. ²² | 2019 | 60 | 40 | 44 | 12 | 13 | 9 (9) | 4 (4) | Plating |
| Shen et al. ²⁷ | 2013 | 43 | 28 | 40 | 26 | 1 | excluded | 1 (1) | MIPO |
| Singh et al. ²³ | 2014 | 212 | 148 | 37 | 12 | 25 | 18 (18) | 7 (7) | Plating |
| Spagnolo et al. ³⁹ | 2010 | 16 | 10 | 54 | 7 | 0 | 0 | 0 | MIPO |
| Wang et al ²⁴ | 2018 | 46 | 14 | 71 | 17 | 0 | Excluded | 0 | Plating |
| Yang et al. ⁴⁰ | 2012 | 19 | 15 | 37 | 17 | 1 | 0 | 1 (1) | Plating |
| Yin et al. ²⁵ | 2014 | 56 | 30 | 38 | 16 | 3 | excluded | 3 (3) | Plating |
| Zhiquan et al. ⁴⁶ | 2007 | 13 | 9 | 38 | 13 | 0 | excluded | 0 | MIPO |
| Zogaib et al. ²⁶ | 2014 | 20 | 15 | 35 | 52 | 0 | 0 | 0 | MIPO |

* Unknown value

MIPO = Minimally invasive plate osteosynthesis

IMN = Intramedullary nailing