**Supplementary Table 4.** Functional outcome measures of included studies

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| Author | Comparison | Outcome measure | Follow-up (months) | Finding |
| Aisaiding et al. [1] | MIS - Open | ATRS | 3, 6 | MIS superior |
| Keating et al. [42] | Open - PI | SMFA | 3, 12 | Open superior (MD 5)b |
| Lantto et al. [49] | Open - Rehab | SF-36a | 18 | Open superior |
| Costa et al. [13] | Open - Rehab | Return to walking |  | Rehabilitation superior (MD 5.5 weeks) |
| Karabinas et al. [41] | MIS - Open | AOFAS | 24 | No difference |
| Rozis et al. [73] | MIS - Open | AOFAS | 12 | No difference |
| Aktas et al. [2] | MIS - Open | AOFAS | 6 | No difference |
| Rozis et al. [73] | MIS - Open | ATRS | 12 | No difference |
| Gigante et al. [21] | MIS - Open | SF12 | 4, 12 | No difference |
| Majewski et al. [54] | MIS - Open - PI | ATRS | 30 | No difference |
| Metz et al. [60] | MIS - Rehab | Leppilahti | 12 | No difference |
| Cetti et al. [10] | Open - PI | Abnormal gait | 12 | No difference |
| Moller et al. [62] | Open - PI | Functional index | 24 | No difference |
| Nilsson-Helander et al. [64] | Open - Rehab | ATRS | 6, 12 | No difference |
| Costa et al. [13] | Open - Rehab | EuroQoL | 3, 6, 12 | No difference |
| Lantto et al. [49] | Open - Rehab | Leppilahti | 18 | No difference |
| Willits et al. [96] | Open - Rehab | Leppilahti | 12, 24 | No difference |
| Twaddle et al. [88] | Open - Rehab | MFAI | 8, 12, 24, 52 | No difference |

aLantto et al. [49] describes SF-36 components of pain and physical functioning only.

bKeating et al. [42] open surgery was only associated with superior SMFA scores at 3 but not 12 months; MIS = minimally invasive surgery; PI = primary immobilization; Rehab = functional rehabilitation; Open = open surgical repair; SMFA = short musculoskeletal functional assessment score; ATRS = Achilles tendon rupture score; SF-36 = 36-item short form survey; SF-12 = 12-item short form survey; AOFAS = American Orthopaedic Foot and Ankle Society score; EQ-5D = EuroQol Quality of Life score; MFAI = Musculoskeletal functional assessment score.