

TABLE E-1 The Modified Martini Grading System

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|---|----|
| 1. Pain (10 points) | |
| Pain-free | 10 |
| On heavy loading (e.g. gardening, changing tires) | 8 |
| During normal activities (e.g. cleaning teeth, combing hair, etc.) | 4 |
| Pain at rest | 0 |
| 2. Overall subjective assessment (compared with preop.) (6 points) | |
| Improved/fully satisfactory | 6 |
| The same | 3 |
| Worse/unsatisfactory | 0 |
| 3. General strength (measured with a dynamometer in comparison to the intact side) (4 points) | |
| Both sides the same | 4 |
| Reduced by 10%-20% | 3 |
| Reduced by 21%-50% | 2 |
| Reduced by >50% | 0 |
| 4. Work and sport (4 points) | |
| No limitations | 4 |
| Inactivity (use of the intact limb)/no more sports | 2 |
| Change of workplace | 0 |
| 5. Mobility of the wrist (extension/flexion + radial/ulnar) (4 points) | |
| >130° | 4 |
| 90°-130° | 3 |
| 45°-89° | 2 |
| <45° | 0 |
| 6. Rotation of the forearm (4 points) | |
| >150° | 4 |
| 140°-149° | 3 |
| 90°-139° | 2 |
| <90° | 0 |
| 7. Radiographic findings (6 points) | |
| Shortening of the radius | |
| ≤3 mm | 2 |
| 4-6 mm | 1 |
| ≥7 mm | 0 |
| Tilting of the joint surface at the radiocarpal joint (articular surface a.p. and lateral) | |
| ≤15° | 2 |
| 16°-30° | 1 |
| >30° | 0 |
| Radioulnar joint | |
| No changes | 2 |
| Subluxation/arthrodesis | 0 |
| Negative List (deduction of 2 points for every complication) | |
| Postoperative arthrosis of the wrist | |
| Pseudarthrosis | |
| Reoperation/additional therapeutic interventions required | |
| Damage to nerves/tendons | |
| Restricted finger movement | |

Assessment scores: 35-38 points = very good, 29-34 points = good, 20-28 points = satisfactory, ≤19 points = poor