SUPPLEMENTARY MATERIAL 1

**Assessment of clinical effectiveness**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Assessment item | Assessment contents and grading standard | | | |
|  | Excellent – 3 | Good – 2 | Acceptable – 1 | Poor – 0 |
| Stability of immobilization | No loss of reduction | Slight shift but no need for re-manipulation | Reinforced same cast | Loss of reduction requiring further procedure |
| Blood circulation | Good terminal circulation with a florid complexion | Venous obstruction relief after physical movement or arm lifting | Pale skin, low temperature of the arm | Significant ischemia of involved limb, compartment syndrome |
| Water-pressure-related pain | No pain | Slight pain with a minor influence on sleep | Mild pain caused poor-quality sleep | Severe pain caused difficulty falling asleep |
| Pressure sores | No abnormality of the skin | Non-blanchable erythema of the intact skin | Skin breakdown or bleeding blister | Full thickness skin loss |