

## Appendix 4. Outcome measurement instruments and complication classification systems

<b>Outcome Measurement Instruments (OMIs)</b>	<b>Number of studies</b>	<b>Physician-reported</b>	<b>Patient-reported</b>	<b>Citation</b>
(Tegner-) Lysholm Knee Scoring Scale	2		+	(1)
(Tegner) Activity Score	1		+	(2)
APLES Children	1		+	(3)
ASAMI grading system- functional results	9	+		(4)
ASAMI grading system-bone results	8	+		(4)
Catagni classification	1	+		(5)
Catagni's evaluation form (for outcome)	1	+	+	(6)
Catagni's evaluation form (for psychological outcome)	1		+	(6)
Chappell et al.	1	+		(7)
CHU-9D (Child health utility 9D)	1		+	(8)
Classification by Simpson and Kenwright of Fractures	3	+		(9)
Classification of Callus by Li et al.	5	+		(10)
Donnan classification	1	+		(11)
EQ-5D-3L questionnaire	1		+	(12)
EQ-5D-Y (EuroQol 5D youth)	1		+	(13)
EQ-5D-VAS	2	+	+	(14)
Goniometer	2	+		(15)
The World Health Organization (WHO) pain scale	1		+	(16)
LD-SRS	3		+	(17)
Limb symmetry index	1	+		(18)
Lower Extremity Functional Scale (LEFS)	1		+	(19)
Paley functional score	5	+	+	(20)
Patient Questionnaire for Paediatric and Adolescent Limb Lengthening Surgical technique and treatment course	1		+	(21)
PROMIS Domain-Pain intensity	1		+	(22)
PROMIS-Global mental health	1		+	(22)
PROMIS-Global physical health	1		+	(22)

PROMIS-Pain Interference	1		+	(22)
PROMIS-Physical Function	1		+	(22)
RUST score	1	+		(23)
Fracture classification by Sax et al.	4	+		(24)
The body image quality of life inventory (BIQLI)	1		+	(25)
The International Cartilage Repair Society (ICRS) scoring system	1	+		(26)
The International Knee Documentation Committee (IKDC) Score	1	+		(27)
The Knee Society Score System	1	+	+	(28)
The modified Kitaoka score	1	+	+	(29)
The multidimensional body-self relations questionnaire	1		+	(30)
The Pediatric Quality of Life Inventory version 4.0 generic core scales (The PedsQL)	2		+	(31)
The situational inventory of body-image dysphoria (SIBID)	1		+	(32)
The Zung Self-Rating Anxiety Scale (SAS)	1		+	(33)
4 single-legged hop tests	1	+		(34)
30-second sit-to-stand test (30sSTS)	1	+		(35)
Visual Analog Scale (VAS)	7		+	(36)
Visual inspection	1	+		(37)
WHOQOL- BREF	1		+	(38)
Checketts-Otterburn Grading System	3	+		(39)
Saleh Scott Classification System	1	+		(40)
The AOFAS ankle–hindfoot scale	1	+	+	(41)
SF-12	1		+	(42)
SF-36	1		+	(43)
The International Physical Activity Questionnaire short form (IPAQ short)	1		+	(44)
SSI according to CDC-NHSN criteria	1	+		(45)
Gillette questionnaire	1		+	(46)
Functional evaluation system by Karlstrom-Olerurd	1	+	+	(47)
The Paley classification of recovery of limb function	1	+	+	(48)
The Paley classification of bone healing	1	+		(49)
The treatment result according to El-Gebaly et al.	1	+		(50)
The lengthening outcomes according to Trofimchuk et al.	1	+		(51)
The Cierny-Mader classification	1	+		(52)

Wong-baker faces pain rating scale	2		+	(53)
<b>Grand Total</b>	<b>102</b>	30	36	

<b>Complication classification systems</b>	<b>Number of studies</b>	<b>Citation</b>
Paley classification	28	(54)
The Lascombes Classification	9	(55)
The Black et al. classification of complications	5	(56)
Major complication-Minor complication	5	(57)
The modified Clavien-Dindo classification for orthopaedic surgery	3	(58)
Caton classification	2	(59)
Lee et al. classification of complications	1	(60)
Paley et al. with the modification of Schiedel et al.	1	(61)
Cherkashin et al. classification of complications	1	(62)
<b>Grand Total</b>	<b>55</b>	

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