

Table: Pre-and post-operative coronal alignment according to preoperative deformity (CT) classification

	n	FMA (deg)						TMA (deg)						HKA angle (deg)					
		Preoperative radiograph		Preoperative CT		Postoperative radiograph		Preoperative radiograph		Preoperative CT		Postoperative radiograph		Preoperative radiograph		Preoperative CT		Postoperative radiograph	
		mean ±SD	(min – max)	mean ±SD	(min – max)	mean ±SD	(min – max)	mean ±SD	(min – max)	mean ±SD	(min – max)	mean ±SD	(min – max)	mean ±SD	(min – max)	mean ±SD	(min – max)	mean ±SD	(min – max)
<b>Varus Femur</b>																			
Varus Tibia	6	88.2 ±1.3	(86 – 89)	89.2 ±0.8	(88 – 90)	88.7 ±1.0	(87 – 90)	83.2 ±1.3	(81 – 85)	83.3 ±1.2	(81 – 84)	87.2 ±3.5	(81 – 91)	166.7 ±3.3	(162 – 172)	170.2 ±2.8	(165 – 172)	175.8 ±4.3	(168 – 180)
Neutral Tibia	30	89.5 ±1.8	(85 – 93)	89.0 ±0.9	(87 – 90)	88.9 ±2.3	(84 – 95)	86.3 ±2.5	(81 – 91)	87.2 ±1.5	(85 – 89)	88.4 ±1.8	(86 – 93)	171.6 ±4.5	(162 – 183)	173.0 ±2.3	(170 – 179)	177.3 ±2.6	(173 – 183)
Valgus Tibia	5	88.2 ±2.5	(84 – 90)	89.2 ±0.8	(88 – 90)	88.6 ±1.5	(87 – 91)	90.2 ±2.5	(87 – 94)	90.8 ±1.8	(90 – 94)	89.4 ±2.2	(87 – 93)	173.6 ±3.6	(169 – 178)	175.0 ±2.2	(172 – 178)	177.8 ±2.3	(175 – 180)
<b>Neutral Femur</b>																			
Varus Tibia	34	91.6 ±1.8	(88 – 95)	92.4 ±1.4	(91 – 95)	90.3 ±2.2	(85 – 94)	82.6 ±1.6	(79 – 85)	83.1 ±1.0	(80 – 84)	86.3 ±2.1	(81 – 89)	171.5 ±4.2	(166 – 184)	173.3 ±2.3	(169 – 180)	176.9 ±2.5	(170 – 181)
Neutral Tibia	120	92.3 ±1.9	(88 – 97)	92.7 ±1.4	(91 – 95)	91.3 ±1.8	(87 – 96)	86.3 ±2.0	(82 – 91)	86.9 ±1.4	(85 – 89)	87.2 ±1.9	(83 – 92)	174.9 ±5.0	(164 – 195)	176.3 ±3.8	(168 – 188)	178.3 ±1.9	(173 – 183)
Valgus Tibia	31	92.2 ±1.9	(89 – 97)	92.9 ±1.5	(91 – 95)	91.7 ±2.1	(88 – 96)	90.5 ±1.8	(87 – 95)	91.1 ±1.3	(90 – 94)	89.0 ±2.3	(84 – 94)	180.4 ±4.6	(172 – 190)	181.1 ±3.4	(174 – 188)	180.3 ±2.1	(177 – 185)
<b>Valgus Femur</b>																			
Varus Tibia	3	97.0 ±1.0	(96 – 98)	96.7 ±1.2	(96 – 98)	93.7 ±0.6	(93 – 94)	82.3 ±1.5	(81 – 84)	83.3 ±1.2	(82 – 84)	86.7 ±2.5	(84 – 89)	176.3 ±5.5	(171 – 182)	177.7 ±3.8	(175 – 182)	179.7 ±1.5	(178 – 181)
Neutral Tibia	23	96.1 ±1.5	(92 – 99)	97.1 ±1.2	(96 – 99)	94.3 ±1.9	(90 – 98)	87.6 ±1.8	(85 – 92)	87.3 ±1.4	(85 – 89)	86.9 ±2.1	(84 – 93)	183.1 ±4.7	(174 – 189)	183.8 ±3.6	(177 – 191)	181.1 ±2.1	(176 – 185)
Valgus Tibia	6	96.5 ±1.8	(94 – 99)	97.5 ±1.0	(96 – 99)	94.3 ±1.4	(92 – 96)	90.7 ±1.8	(88 – 93)	91.5 ±1.0	(90 – 93)	89.0 ±1.5	(87 – 91)	188.0 ±3.6	(183 – 192)	188.0 ±3.2	(184 – 192)	183.0 ±0.9	(182 – 184)

Abbreviations: FMA, femoral mechanical angle; TMA, tibial mechanical angle; HKA, hip knee ankle; deg, degree; SD, standard deviation