

TABLE E-1 Ankle Osteoarthritis Scale (AOS)^{21*}

	Pain Subscale	Disability Subscale
1	At its worst	Walking around the house
2	Before getting up in the morning	Walking outside on uneven ground
3	Walking barefoot	Walking four blocks or more
4	Standing barefoot	Climbing stairs
5	Walking wearing shoes	Descending stairs
6	Standing wearing shoes	Standing on tiptoes
7	Walking wearing shoe inserts or braces	Getting out of a chair
8	Standing wearing shoe inserts or braces	Climbing up or down curbs
9	At the end of the day	Walking fast or running

*Patients respond by placing a mark along a 100-mm line to depict their level of pain and disability for each described condition.

TABLE E-2 Canadian Orthopaedic Foot & Ankle Society (COFAS) End-Stage Ankle Arthritis Classification System²³

Type 1	Type 2	Type 3	Type 4
Isolated ankle arthritis	Ankle arthritis with intra-articular varus or valgus deformity or a tight heel cord, or both	Ankle arthritis with hindfoot deformity, tibial malunion, midfoot abductus or adductus, supinated midfoot, plantar flexed first ray, etc.	Types 1, 2, and 3 plus subtalar, calcaneocuboid, or talonavicular arthritis

TABLE E-3 Additional Procedures According to COFAS End-Stage Ankle Arthritis Classifications²³ in Total Ankle Replacement and Ankle Arthrodesis Groups

COFAS Classification	Total Ankle Replacement	Ankle Arthrodesis
Type 2	n = 18 patients	n = 2 patients
	8 gastrocnemius recessions	1 tibial bone graft
	7 syndesmosis fusions	1 Achilles tendon lengthening
	2 Achilles tendon lengthenings	
	2 lateral hindfoot ligament reconstructions	
	1 forefoot reconstruction	
Type 3	n = 13 patients	
	10 calcaneal osteotomies	
	3 fusions of 1st tarsometatarsal joint	
	1 peroneus longus-to-brevis transfer	
	(In addition, 1 lateral hindfoot ligament reconstruction and 1 gastrocnemius recession*)	
Type 4	n = 47 patients	n = 4 patients
	30 subtalar fusions	2 triple fusions
	9 triple fusions	1 subtalar fusion
	4 talonavicular fusions	1 subtalar plus talonavicular fusion
	4 calcaneocuboid fusions	
	(In addition, 9 naviculocuneiform fusions, 9 lateral hindfoot ligament reconstructions, 7 syndesmosis fusions for Agility implantation, 7 peroneus longus-to-brevis tendon transfers, 6 1st tarsometatarsal fusions, 5 Achilles tendon lengthenings, 1 gastrocnemius recession, 1 posterior tibial tendon transfer, 1 forefoot reconstruction*)	

*The procedures listed as “In addition” would constitute a lower type of the classification.