

Supplementary Table 1 The Juvenile Arthritis Damage Index[19]

JADI-A - The Juvenile Arthritis Damage Index-Articular Damage				
Joint type	Definition of articular damage		Score	
Temporomandibular	Micrognathia or face asymmetry that is severe enough to cause relevant esthetic compromise and/or malalignment of the teeth arcades		1	
	Severe restriction of mouth opening (not allowing for the introduction of three superimposed hand fingers) with radiographic joint changes		2	
Cervical spine	Extension < 50% of normal amplitude or X-ray-confirmed neck subluxation		1	
	Ankylosis or history of medullary compression or surgical fusion		2	
			Right	Left
Shoulder	External rotation < 50% of the normal range and/or abduction < 180° (not above the shoulder plane)		1	1
	Ankylosis or prosthesis		2	2
Elbow	Flexion contracture < 30°		1	1
	Flexion contracture > 30°, ankylosis or prosthetics		2	2
Wrist	Extension or flexion < 50% of normal range or subluxation or volar, ulnar or radial deviation		1	1
	Ankylosis or prosthesis		2	2
Metacarpophalangeal	Flexion contracture, ulnar, or radial deviation = 1 Subluxation ankylosis or prosthesis = 2	I	1 2	1 2
		II	1 2	1 2
		III	1 2	1 2
		IV	1 2	1 2
		V	1 2	1 2
Proximal interphalangeal	Flexion contracture = 1 "Swan neck" or "boutonnière" deformity or ankylosis = 2	I	1 2	1 2
		II	1 2	1 2
		III	1 2	1 2
		IV	1 2	1 2
		V	1 2	1 2

Hip	Internal rotation < 10°	1	1
	Ankylosis or prosthesis	2	2
Knee	Valgus deviation > 15° due to arthritis or flexion contracture < 25°	1	1
	Flexion contracture of > 25° or prosthesis	2	2
Ankle	Fixed valgus deformity < 20°	1	1
	Fixed valgus deformity >20°, ankylosis, arthrodesis or prosthetic	2	2
Metatarsophalangeal	Visible deformity due to arthritis	1	1
	Arthroplasty of the forefoot	2	2
Total score (max 72)			

JADI-E- The Juvenile Arthritis Damage Index-Extra-Articular Damage

<i>Item</i>		<i>Absent</i>	<i>Present</i>
Ocular			
Cataract and/or other complications of uveitis with loss of vision (score 2 in the case of ocular surgical surgery; score 3 in case of legal blindness)	OD	0	1 2 3
	OS	0	1 2 3
Musculoskeletal non-articular			
Severe muscular atrophy			
Osteoporosis with fractures or vertebral collapse			
Avascular necrosis of bone		0	1
Significant abnormality of the vertebral curve due to leg-length discrepancy or hip contracture		0	1
Significant leg-length discrepancy or growth abnormality of a bone segment		0	1
Cutaneous			
Striae rubrae			
Subcutaneous atrophy resulting from intraarticular corticosteroid injection		0	1
Endocrine			
Growth failure		0	1
Pubertal delay		0	1

Diabetes mellitus		
Secondary amyloidosis	0	1
Total score (max 17)		

Supplementary material 2 JADI-A calculator

<https://forms.yandex.ru/u/664f14b402848f44426b3b54/>

