Supplementary Table 1. Comparison of Demographic, clinical, and treatment characteristics between patients with and without bilateral SIJ ankylosis according to disease duration (10-year cut-off)

Variables	Disease duration <10 year			Disease duration ≥10 year		
	With ankylosis (n=29)	Without ankylosis (n=108)	p	With ankylosis (n=71)	Without ankylosis (n=79)	p
Sex, male, n (%)	23 (79)	56 (52)	**0.008**	61 (86)	53 (67)	**0.007**
Age, years, mean (SD)	44 (11)	38 (10)	**0.004**	48 (9)	45 (10)	0.07
Ever smoker, n (%)	23 (79)	69 (64)	0.12	56 (79)	52 (66)	0.08
Alcohol consumption, n (%)	8 (28)	17 (16)	0.14	16 (23)	9 (12)	0.07
Symptom duration, median (IQR)	12 (14)	8 (5)	**<0.001**	22 (12)	19 (11)	**0.02**
HLA-B27 positive, n/N (%)	15/21 (71)	43/79 (54)	0.16	31/42 (74)	36/54 (67)	0.45
BMI, mean (SD)	26 (6)	26 (5)	0.91	27 (4)	26 (5)	0.71
History of enthesitis, n (%)	9 (31)	50 (46)	0.14	33 (46)	37 (47)	0.97
History of uveitis, n (%)	5 (17)	14 (13)	0.55	14 (20)	16 (20)	0.94
History of psoriasis, n (%)	1 (4)	6 (6)	0.67	5 (7)	12 (15)	0.12
History of IBD, n (%)	3 (10)	5 (5)	0.24	4 (6)	6 (8)	0.63
History of peripheral arthritis, n (%)	7 (24)	27 (25)	0.92	24 (34)	37 (47)	0.11
Current NSAID use, n (%)	20 (69)	63 (58)	0.30	39 (55)	45 (57)	0.80
SSZ use, ever, n (%)	12 (41)	45 (42)	0.98	44 (62)	52 (66)	0.62
MTX use, ever, n (%)	5 (17)	12 (11)	0.37	21 (30)	24 (30)	0.92
Biologic therapy, n (%)	21 (72)	69 (64)	0.39	63 (89)	69 (87)	0.79

Percentages were calculated based on available data. N reflects the number of patients with available data for each variable. BMI: Body mass index, HLA-B27: Human leukocyte antigen B27, IBD: Inflammatory bowel disease, IQR: Interquartile range, MTX: Methotrexate, NSAID: Non-steroidal anti-inflammatory drug, SD: Standard deviation, SIJ: Sacroiliac joint, SSZ: Sulfasalazine

Supplementary Table 2. Comparison of functional parameters and radiographic findings between patients with and without bilateral SIJ ankylosis according to disease duration (10-year cut-off)

Variables	Disease duration <10 year			Disease duration ≥10 year		
	With ankylosis (n=29)	Without ankylosis (n=108)	Variables	With ankylosis (n=71)	Without ankylosis (n=79)	Variables
BASMI total score, mean (SD)	5 (2)	2 (1)	**<0.001**	5 (3)	3 (2)	**<0.001**
Cervical rotation, mean (SD)	52 (17)	69 (16)	**<0.001**	47 (24)	62 (22)	**0.004**
Tragus-to-wall distance, cm, mean (SD)	18 (4)	15 (3)	**0.007**	20 (8)	16 (5)	**0.002**
Lateral lumbar flexion, cm, mean (SD)	13 (18)	17 (10)	0.24	11 (9)	20 (16)	**0.003**
Intermalleolar distance, cm, mean (SD)	92 (19)	100 (13)	**0.04**	87 (25)	99 (27)	**0.04**
Modified Schöber test, cm, mean (SD)	2 (1)	5 (2)	**<0.001**	3 (2)	5 (3)	**0.006**
Cervical syndesmophyte, n (%)	15 (54)	17 (16)	**<0.001**	43 (61)	26 (33)	**<0.001**
Lumbar syndesmophyte, n (%)	20 (71)	22 (21)	**<0.001**	38 (54)	25 (32)	**0.005**
Sacral enthesitis, n (%)	9 (31)	18 (17)	0.08	23 (32)	14 (18)	**0.04**
Symphysitis, n (%)	7 (24)	8 (8)	**0.01**	15 (21)	8 (10)	**0.06**
Hip involvement, n (%)	21 (72)	24 (22)	**<0.001**	46 (65)	29 (37)	**0.001**
Cervical mSASSS, median (IQR)	2 (16)	0 (1.0)	**<0.001**	6 (29)	0 (4.0)	**0.001**
Lumbar mSASSS, median (IQR)	8 (22)	0 (3)	**0.001**	6 (23)	0 (4)	**0.003**
Total mSASSS, median (IQR)	14 (24)	1 (4)	**<0.001**	10 (38)	1 (8)	**0.001**

BASMI: Bath ankylosing spondylitis metrology index, IQR: Interquartile range, mSASSS: Modified stoke ankylosing spondylitis spine score, SD: Standard deviation, SIJ: Sacroiliac joint