

Supplementary table. Overview of SpA-features of the 22 incorrectly not referred (FN) patients meeting the ASAS classification criteria missed by 3 or more different referral strategies using ASAS axSpA criteria as external standard.

	SpA diag nosi s	MRI n=10	X-SIJ n=11	HLA- B27 n=11	IBP n=8	Peripheral manifes- tations <sup>α</sup> n=8	EAMs <sup>β</sup> n=8	Fam. hist. SpA n=8	Elev. CRP/ ESR n=6	Good resp. NSAIDs n=2	Alt. but. pain n=4	Strategies that would <i>not</i> have referred patient
1	x			x				x	x			D, E, H, L
2	x			x	x				x			D, F, H, L
3				x		x (arthritis)		x				D, F, H, L
4	x			x			x (uveitis)	x				F, H, L
5	x	x		x		x (arthritis + enthesitis)	x (psoriasis)	x			x	F, H, L
6	x	x	x		x	x (dactylitis + enthesitis)	x (psoriasis)		x		x	C, E, L
7	x	x			x		x (IBD)		x		x	C, E, I, J, L
8	x		x			x (arthritis)				x	x	C, E, G, H, I, J, L
9	x	x				x (dactylitis)	x (psoriasis)	x				C, D, E, F, H, I, J, L
10	x	x		x		x (arthritis)	x (uveitis)					E, F, H, K, L
11	x		x	x		x (arthritis)		x				D, E, H, L
12			x		x	x (arthritis)	x (psoriasis)					C, E, L
13	x	x	x	x	x				x			D, H, L
14		x			x			x				C, D, E, H, I, J
15	x		x	x				x				F, H, L
16	x	x					x (IBD)					B, C, D, E, F, G, H, I, J, K, L
17			x							x		B, C, E, G, H, I, J, L
18	x	x							x			E, F, G, H, J, K, L
19			x	x								D, E, F, G, H, K, L
20	x	x	x	x								E, F, G, H, K, L
21			x		x							E, G, H, I, J, L
22	x		x		x							E, G, H, J, L

MRI, magnetic resonance imaging; X-SIJ, plain radiographs of the SI-joint; HLA, human leukocyte antigen; IBP, inflammatory back pain; Fam. hist SpA, family history for SpA; Elev. CRP/ESR, elevated C-reactive protein/erythrocyte sedimentation rate; Good. resp. NSAIDs, good response to non-steroidal anti-inflammatory drugs; Alt. but. pain, alternating buttock pain.  $\alpha$ , peripheral manifestations comprise of peripheral arthritis, dactylitis or enthesitis;  $\beta$ , extra-articular manifestations comprise of uveitis, psoriasis or IBD (Crohn's disease/ulcerative colitis).

Strategies: A, Brandt I; B, Brandt II; C, Brandt III; D, Hermann; E, MASTER; F, Braun IBP; G, RADAR; H, RADAR2/3; I, Braun two-step; J, Braun two-step alt.; K, CaFaSpA  $\geq 1$  pt; L, CaFaSpA  $\geq 2$  pt; M, ASAS.