Appendix 1

Discriminative value of inflammatory back pain definitions in relation to 'SpA according to ASAS', when including inflammatory back pain as an SpA feature in the classification of SpA.

	Total prevalence	Sensitivity	Specificity	PPV	NPV	Balanced accuracy
Calin, n_{Total}=749	52 (48-55)	69 (59-78)	51 (47-55)	19 (15-23)	91 (88-94)	60 (55-65) **
Berlin, n_{Total}=737	42 (39-46)	59 (49-69)	60 (57-64)	20 (15-24)	90 (87-93)	60 (55-65) **
ASAS IBP, n_{Total}=744	23 (20-26)	46 (36-56)	81 (77-84)	28 (21-35)	90 (88-93)	63 (58-69) **
All three IBP definitions, n_{Total}=730	17 (14-19)	37 (27-47)	87 (84-89)	31 (23-40)	90 (87-92)	61 (57-67) **

Values are presented as percentages with 95% confidence intervals in parentheses,
$n_{SpA\ according\ to\ ASAS}$=104, $n_{non-SpA\ LBP}$=655, (n varies in each analysis due to missing values), * p<0.05, ** p<0.01
SpA: Spondyloarthritis, ASAS: Assessment of SpondyloArthritis international Society, PPV: Positive predictive value, NPV: Negative predictive value (pre-test probability for ASAS SpA 14 %)
Balanced accuracy: (sensitivity + specificity)/ 2