

Table SIII. Confounding analysis when the case group included only those patients with an invasive cutaneous squamous cell carcinoma (cSCC) and their respective controls

	Odds ratio (95% CI) ^f	p-value
No adjustment	1.37 (1.05–1.79)	0.020
Comorbidities		
Alcohol-associated comorbidity	1.37 (1.05–1.79)	0.020
Crohn's disease	1.37 (1.05–1.79)	0.020
Diabetes	1.38 (1.05–1.80)	0.019
Liver disease	1.38 (1.06–1.80)	0.019
Peptic ulcer (gastric and duodenal ulcer)	1.37 (1.05–1.79)	0.019
Smoking-associated conditions	1.36 (1.04–1.78)	0.024
Actinic keratosis	1.37 (1.04–1.82)	0.027
Kidney-associated disease	1.38 (1.06–1.80)	0.018
Rheumatoid arthritis	1.40 (1.07–1.85)	0.015
Psoriatic arthritis	1.46 (1.09–1.95)	0.011
Drugs		
Acitretin	1.36 (1.04–1.78)	0.025
Ciclosporin	1.35 (1.03–1.77)	0.029
Azathioprine	1.37 (1.05–1.79)	0.020
Tumour necrosis factor α inhibitor	1.32 (1.00–1.74)	0.051
Interleukin pathway-inhibitor	1.38 (1.06–1.80)	0.018
Immunosuppressants excluding MTX ^a	1.25 (0.94–1.65)	0.12
Other variables		
CCI index ^b	1.37 (1.05–1.79)	0.022
Civic status ^c	1.37 (1.05–1.79)	0.021
Education ^d	1.38 (1.06–1.80)	0.018
Income ^e	1.38 (1.06–1.81)	0.017

The different drugs were defined as ever-exposure implying ≥ 1 filled prescription(s) of the respective drug/drug class.

^aImmunosuppressive drugs other than methotrexate (MTX) were defined as a drug with ATC code starting with L04A other than L04AX03 (i.e. the Anatomical Therapeutic Chemical (ATC)-code for MTX). ^bCharlson Comorbidity Index (CCI): CCI 0, no comorbidity; CCI 1 low level of comorbidity; CCI 2+, moderate to severe level of comorbidity. ^cCivic status: married, unmarried or missing data. ^dEducational levels: low, compulsory school (<10 years); middle, upper secondary school (10–12 years); high, higher education (>12 years). ^eIncome quartiles are calculated using the source population (i.e. the psoriasis cohort consisting of 81,738 patients). ^fOdds ratios (ORs) represent ever-use of MTX associated with cSCC adjusted for each potential confounder individually. CI: confidence interval.