

**Table SII. Risks of having psycho-emotional symptoms to according psoriasis severity groups**

	PASI ( $\geq 10$ ) OR (95% CI)	BSA ( $\geq 10$ ) OR (95% CI)	DLQI ( $\geq 10$ ) OR (95% CI)	Specific localized forms of psoriasis* OR (95% CI)
<b>Hospital Anxiety and Depression Scale – Depression</b>				
1 <sup>st</sup> tertile	1 (reference)	1 (reference)	1 (reference)	1 (reference)
2 <sup>nd</sup> tertile	1.30 (0.67–2.51)	1.34 (0.71–2.52)	0.75 (0.26–2.20)	0.97 (0.53–1.76)
3 <sup>rd</sup> tertile	1.08 (0.52–2.23)	1.09 (0.54–2.21)	<b>3.51 (1.32–9.30)</b> <b>p-trend=0.003</b>	1.00 (0.51–1.92)
<b>Montgomery-Asberg Depression Rating Scale</b>				
1 <sup>st</sup> tertile	1 (reference)	1 (reference)	1 (reference)	1 (reference)
2 <sup>nd</sup> tertile	2.08 (0.96–4.57)	<b>2.16 (1.07–4.41)</b>	1.03 (0.34–3.18)	1.18 (0.61–2.31)
3 <sup>rd</sup> tertile	<b>2.74 (1.15–6.55)</b> <b>p-trend=0.029</b>	<b>2.25 (1.00–5.07)</b>	2.65 (0.82–8.51) <b>p-trend=0.036</b>	1.13 (0.53–2.43)
<b>Hamilton Rating Scale for Depression</b>				
1 <sup>st</sup> tertile	1 (reference)	1 (reference)	1 (reference)	1 (reference)
2 <sup>nd</sup> tertile	0.62 (0.31–1.26)	0.74 (0.38–1.43)	0.70 (0.24–2.00)	1.05 (0.56–1.97)
3 <sup>rd</sup> tertile	1.35 (0.71–2.59)	1.00 (0.53–1.90)	1.77 (0.72–4.34)	0.80 (0.43–1.46)
<b>Life Event Scale</b>				
1 <sup>st</sup> tertile	1 (reference)	1 (reference)	1 (reference)	1 (reference)
2 <sup>nd</sup> tertile	0.69 (0.36–1.32)	0.90 (0.47–1.70)	1.54 (0.57–4.17)	0.86 (0.50–1.48)
3 <sup>rd</sup> tertile	0.92 (0.44–1.91)	0.70 (0.35–1.45)	1.86 (0.64–5.39)	0.68 (0.37–1.26)
<b>Hospital Anxiety and Depression Scale – Anxiety</b>				
< 130	1 (reference)	1 (reference)	1 (reference)	1 (reference)
130–280	1.57 (0.79–3.14)	1.92 (0.99–3.73)	0.84 (0.31–2.28)	1.71 (0.90–3.24)
> 280	1.52 (0.73–3.17)	1.29 (0.64–2.60)	1.65 (0.64–4.27)	1.51 (0.77–2.98)
State Anxiety Inventory, > median	1.18 (0.68–2.06)	1.22 (0.72–2.06)	<b>2.52 (1.16–5.50)</b>	1.29 (0.78–2.14)
Trait Anxiety Inventory, > median	1.01 (0.58–1.77)	0.77 (0.44–1.32)	1.87 (0.87–4.00)	0.74 (0.44–1.25)
<b>Psoriasis Disability Index</b>				
0	1 (reference)	1 (reference)	1 (reference)	1 (reference)
> 0	0.60 (0.32–1.09)	0.84 (0.48–1.47)	<b>2.27 (1.08–4.76)</b>	1.31 (0.78–2.24)
Physical Component Summary, > median	0.94 (0.55–1.62)	1.03 (0.61–1.76)	0.57 (0.27–1.18)	0.92 (0.56–1.53)
Mental Component Summary, > median	0.81 (0.47–1.39)	1.36 (0.80–2.30)	0.64 (0.31–1.34)	1.02 (0.61–1.68)

Odds ratio (OR) and 95% confidence interval (CI) and indication of dose-response (p-trend values) for the different indexes of psycho-emotional disorders and stress level and measurements of psoriasis severity.

\*Scalp, facial, palmo-plantar or genital psoriasis.

Bold means statistical increased risk of a specific psycho-emotional indicator test related to the severity of psoriasis; p-trend: indication of dose-response (we only show statistical significant p-trend values).

PASI: Psoriasis Area Severity Index; BSA: Body Surface Area; DLQI: Dermatology Life Quality Index; SD: Standard deviation; OR: odds ratio; BMI: body mass index; VAS: visual analogue scale.