CONCLUSION
Patients who were ever smokers reported worse clinical features compared with never smokers.
Further longitudinal studies are needed to better understand cause and effect.
Smoking cessation should be recommended due to general health perspectives and also due to disease specific issues.

INTRODUCTION
Smoking has been found to be associated with an increased risk of developing psoriatic arthritis (PsA)1.

AIM
The purpose of this study was to analyse possible associations of smoking habits with self-reported clinical features in a large population based cohort of patients with a diagnosis of PsA.

PATIENTS AND METHODS
All health care seeking subjects with a diagnose of PsA according to ICD 10 codes (given at least once by a rheumatologist or an internist or twice by any other physician) were identified by a regional health care register during 2003-20072.

In 2009 all identified subjects aged 18 years or older (n=2003) were invited to participate in a cross sectional questionnaire survey.

The questionnaire included self-reported data on smoking (never smokers or ever smokers), age at disease onset, physical function (HAQ, 0-3 best to worst), pain, fatigue and global health (numerical rating scales 0-10 best to worst) health related quality of life (EQ-5D, 0-1 worst to best), and number of painful areas noted on a pain mannequin (Pain-A, 0-16, best to worst).

Linear regression analysis with parameter estimates (β) was performed and all data were controlled for sex and age.

RESULTS
Response rate was 77% whereof 1185 (59%) returned the questionnaire. 18% declined participation.

- Mean age was 57.5 (SD 13.5) years
- 58% were women.
- 448 (38%) were never smokers
- 725 (62%) were ever smokers

Ever smokers had worse outcome compared with never smokers:

<table>
<thead>
<tr>
<th></th>
<th>Never smokers</th>
<th>PsA</th>
<th>Ever smokers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pain</td>
<td>β 0.38 (95% CI 0.09 ; 0.67)</td>
<td></td>
<td></td>
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<tr>
<td>Fatigue</td>
<td>β 0.34 (95% CI 0.02 ; 0.66)</td>
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<tr>
<td>Global health</td>
<td>β 0.36 (95% CI 0.09 ; 0.64)</td>
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<td></td>
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<tr>
<td>EQ-5D</td>
<td>β -0.04 (95% CI -0.07 ; -0.01)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pain-A*</td>
<td>β 0.54 (95% CI 0.02 ; 1.07)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
*Number of painful areas

Table. Subject descriptive as never smokers vs. ever smokers, N 1185

REFERENCES

*Smoking is associated with worse and more widespread pain, worse fatigue, general health and quality of life in a Swedish population based cohort of patients with psoriatic arthritis

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Smoking and associated factors in patients with psoriatic arthritis

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Smoking is associated with worse and more widespread pain, worse fatigue, general health and quality of life in a Swedish population based cohort of patients with psoriatic arthritis.