The median disease duration of Hurley I patients was 9 years (IQR 4–18). Both Hurley II and Hurley III patients developed their current Hurley stage 6 years ago (p = 0.633) and the two groups reached their current stage in a median time period of 6 and 5 years (IQR 3–12 and 2–12, respectively). However, the progression from Hurley I to Hurley II was significantly shorter in current Hurley III patients with a median time period of 3 years (IQR 1–5). Moreover, the progression from Hurley II to Hurley III was even faster at 2 years (IQR 1–6). The progression time from Hurley I to Hurley II in current Hurley II patients was significantly shorter compared with the disease duration in Hurley I patients (p = 0.038). The time course of disease progression with respect to severity is visualized in Figure 1.

To our knowledge, this study is the most detailed report on disease progression rates in HS. Previously, Kromann et al. [5] studied long-term follow-up of 121 HS patients and reported a questionnaire-based remission in 39%, improvement in 32%, unchanged severity in 21%, and worsening in 9% of patients after an average period of 22 years. In addition, von der Werth et al. [6] reported that HS patients reached their maximum disease activity after a mean disease duration of 6.4 years. However, disease severity was not specified. Our results regarding time to maximum disease are comparable. The fact that stage I and II patients have stationary

Table 1. Hurley severity staging

<table>
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<tr>
<th>Hurley stage</th>
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<tr>
<td>I Abscess formation, single or multiple, without sinus tracts and cicatrization</td>
</tr>
<tr>
<td>II Recurrent abscesses with tract formation and cicatrization, single or multiple, widely separated lesions</td>
</tr>
<tr>
<td>III Diffuse or near-diffuse involvement, or multiple interconnected tracts and abscesses across the entire area</td>
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Fig. 1. Disease progression of hidradenitis suppurativa patients.
disease severity for a median of 9 and 6 years, respectively, implies that these patients are unlikely to progress to higher stages. This strengthens the validity of the found progression rates.

Nonetheless, our results could be affected by recall bias. However, we argue that a prospective observational study may be difficult due to ethical and practical reasons.

In conclusion, patients with current Hurley III HS had a quicker and more aggressive disease course compared with patients with current Hurley II HS. This indicates that a relatively rapid disease progression from Hurley I to Hurley II is a predictive factor to develop Hurley III HS, and therefore a sign of a poor prognosis. These findings stress the relevance of early diagnosis and adequate treatment and follow-up in early stages of HS.

Key Message
Hurley III hidradenitis suppurativa has an aggressive disease course.

Disclosure Statement
The authors declare no conflicts of interest to declare.

References