

Table S1 Stricture site biopsy results

Patient No.	LS features	Hyperkeratosis	Epidermal atrophy	Epidermal thickening	Upper dermal hyalinization	Lichenoid change	Lichenoid lymphocytic infiltrate	Ulceration	Scarring	Other features	Inflammatory cells
1	-	+	-	+	-	-	-	-	+	-	+
2*	-	-	-	-	-	-	-	+	+	-	+
3	-	-	-	+	-	-	-	-	+	-	-
4	-	-	-	-	-	-	-	-	+	-	-
5	-	-	+	-	-	-	-	-	+	-	-
6*	-	-	N/A	N/A	N/A	-	-	-	+	-	-
7	-	-	-	-	-	-	-	-	-	-	+
8	-	-	-	-	-	-	-	-	+	-	-
9	-	N/A	N/A	N/A	-	-	-	-	+	-	-
10	-	-	-	-	-	-	-	-	+	-	-
11	-	-	-	-	-	-	-	-	+	-	-
12	-	-	-	-	-	-	-	-	+	-	-
13	-	-	-	-	-	-	-	-	+	-	-
14*	-	N/A	N/A	N/A	N/A	N/A	N/A	-	+	-	-
15	-	-	-	-	-	-	-	-	+	-	-

\* represents patients who had urethral stricture recurrence. Positive results are marked in red with a (+) whilst negative results are in green with a (-). The white squares marked N/A reflect denuded epithelium which were unable to be reported.

**Table S2** Biopsy results taken one centimetre distal to the stricture site

Patient No.	LS features	Hyperkeratosis	Epidermal atrophy	Epidermal thickening	Upper dermal hyalinization	Lichenoid change	Lichenoid lymphocytic infiltrate	Ulceration	Scarring	Other features	Inflammatory cells
1	-	+	-	+	-	-	-	-	+	-	+
2*	-	-	-	-	-	-	-	-	+	-	+
3	-	-	-	-	-	-	-	-	+	-	-
4	-	-	-	-	-	-	-	-	+	-	-
5	-	-	+	-	-	-	-	-	+	-	-
6*	-	-	-	+	-	-	-	-	+	-	-
7	-	-	-	-	-	-	-	-	0	PeIN	+
8	-	-	-	-	-	-	-	-	+	-	-
9	-	N/A	N/A	N/A	-	-	-	-	+	-	-
10	-	-	-	+	-	-	-	-	+	-	-
11	-	-	-	-	-	-	-	-	+	-	-
12	-	-	-	-	-	-	-	-	+	-	-
13	-	-	-	-	-	-	-	-	+	-	-
14*	-	-	-	-	-	-	-	+	+	-	+
15	-	-	-	-	-	-	-	-	+	-	-

\* represents patients who had urethral stricture recurrence. Positive results are marked in red with a (+) whilst negative results are in green with a (-). The white squares marked N/A reflect denuded epithelium which were unable to be reported. Orange represents an abnormal finding.

**Table S3** Biopsy results taken two centimetres distal to the stricture site

Patient No.	LS features	Hyperkeratosis	Epidermal atrophy	Epidermal thickening	Upper dermal hyalinization	Lichenoid change	Lichenoid lymphocytic infiltrate	Ulceration	Scarring	Other features	Inflammatory cells
1	-	+	-	+	-	-	-	-	+	-	+
2*	-	-	-	-	-	-	-	-	+	-	+
3	-	-	-	+	-	-	-	-	+	-	-
4	-	-	-	-	-	-	-	-	+	-	-
5	-	N/A	N/A	N/A	-	-	-	-	+	-	-
6*	-	-	-	+	-	-	-	-	+	-	-
7	-	-	-	-	-	-	-	-	-	PeIN	+
8	-	-	-	+	-	-	-	-	+	-	+
9	-	-	-	-	-	-	-	-	+	-	+
10	-	-	-	+	-	-	-	-	+	-	-
11	-	-	-	-	-	-	-	-	+	-	-
12	-	-	-	-	-	-	-	-	+	-	-
13	-	-	-	-	-	-	-	-	+	-	-
14*	-	-	-	-	-	-	-	-	+	-	+
15	-	-	-	-	-	-	-	-	+	-	-

\* represents patients who had urethral stricture recurrence. Positive results are marked in red with a (+) whilst negative results are in green with a (-). The white squares marked N/A reflect denuded epithelium which were unable to be reported. Orange represents an abnormal finding.

**Table S4** Biopsy results taken one centimetre proximal to the stricture site

Patient No.	LS features	Hyperkeratosis	Epidermal atrophy	Epidermal thickening	Upper dermal hyalinization	Lichenoid change	Lichenoid lymphocytic infiltrate	Ulceration	Scarring	Other features	Inflammatory cells
1	-	+	-	+	-	-	-	-	+	-	+
2*	-	+	-	+	-	-	-	-	+	-	-
3	-	-	-	+	-	-	-	-	+	-	-
4	-	+	-	+	-	-	-	-	+	-	-
5	-	-	+	-	-	-	-	-	+	-	+
6*	-	-	-	-	-	-	-	-	+	-	-
7	-	-	-	-	-	-	-	-	-	-	+
8	-	-	-	+	-	-	-	-	+	-	+
9	-	+	-	+	-	-	-	-	+	-	+
10	-	-	-	+	-	-	-	-	+	-	-
11	-	-	-	-	-	-	-	-	+	-	-
12	-	-	-	-	-	-	-	-	+	-	-
13	-	-	-	-	-	-	-	-	+	-	-
14*	-	-	-	-	-	-	-	-	+	-	-
15	-	-	-	-	-	-	-	-	+	-	-

\* represents patients who had urethral stricture recurrence. Positive results are marked in red with a (+) whilst negative results are in green with a (-).

**Table S5** Biopsy results taken two centimetres proximal to the stricture site

Patient No.	LS features	Hyperkeratosis	Epidermal atrophy	Epidermal thickening	Upper dermal hyalinization	Lichenoid change	Lichenoid lymphocytic infiltrate	Ulceration	Scarring	Other features	Inflammatory cells
1	-	+	-	+	-	-	-	-	+	-	+
2*	-	-	-	-	-	-	-	-	+	-	-
3	-	-	-	+	-	-	-	-	+	-	-
4	-	-	-	-	-	-	-	-	+	-	-
5	-	-	-	-	-	-	-	-	+	-	-
6*	-	-	-	-	-	-	-	-	+	-	-
7	-	-	-	-	-	-	-	-	0	PeIN	+
8	-	-	-	-	-	-	-	-	+	-	-
9	-	+	-	+	-	-	-	-	+	-	+
10	-	-	-	+	-	-	-	-	+	-	+
11	-	-	+	-	-	-	-	-	+	-	-
12	-	-	-	-	-	-	-	-	+	-	-
13	-	+	-	+	-	-	-	-	+	-	-
14*	LS	-	-	-	+	-	-	-	+	-	-
15	-	-	-	-	-	-	-	-	+	-	-

\* represents patients who had urethral stricture recurrence. Positive results are marked in red with a (+) whilst negative results are in green with a (-). Orange represents an abnormal finding.