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Erratum

A smart bilayered scaffold supporting keratinocytes and muscle cells in micro/nano-scale for urethral reconstruction

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Erratum 1

In our paper [1], Figure 5 and Figure 6 should be corrected as follows.

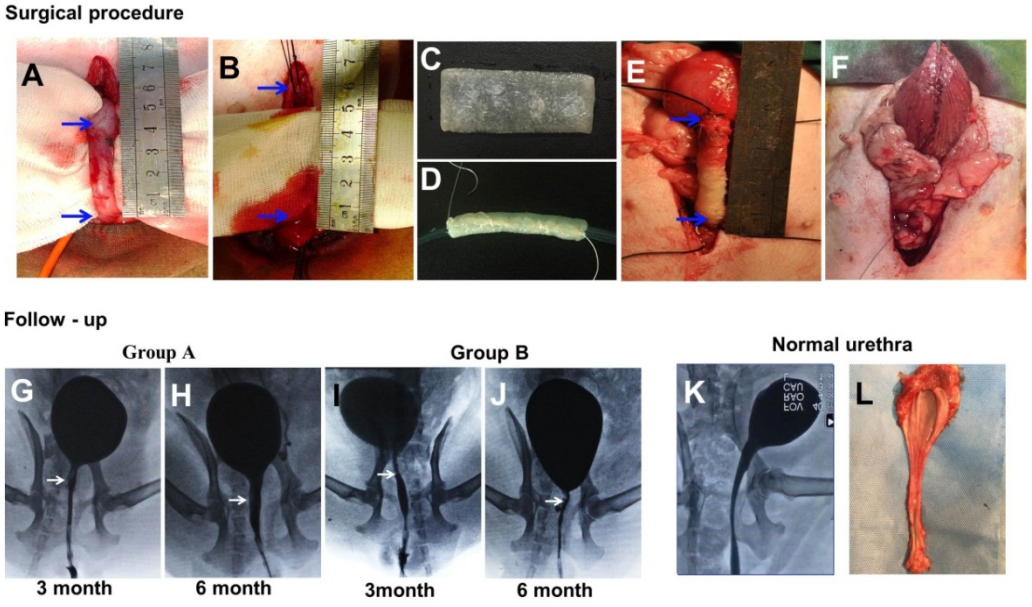

Figure 5. (A-F) During the surgical procedure in a dog model, the urethra between the bladder and the pubic symphysis was exposed, and a 5 cm long urethra section was transected and removed. Then, the scaffold was sutured onto the urethral defect. (G-L) Comparison of urethrography images in each group at 3 and 6 months after operation. The arrow indicates the urethroplasty site of the urethra.

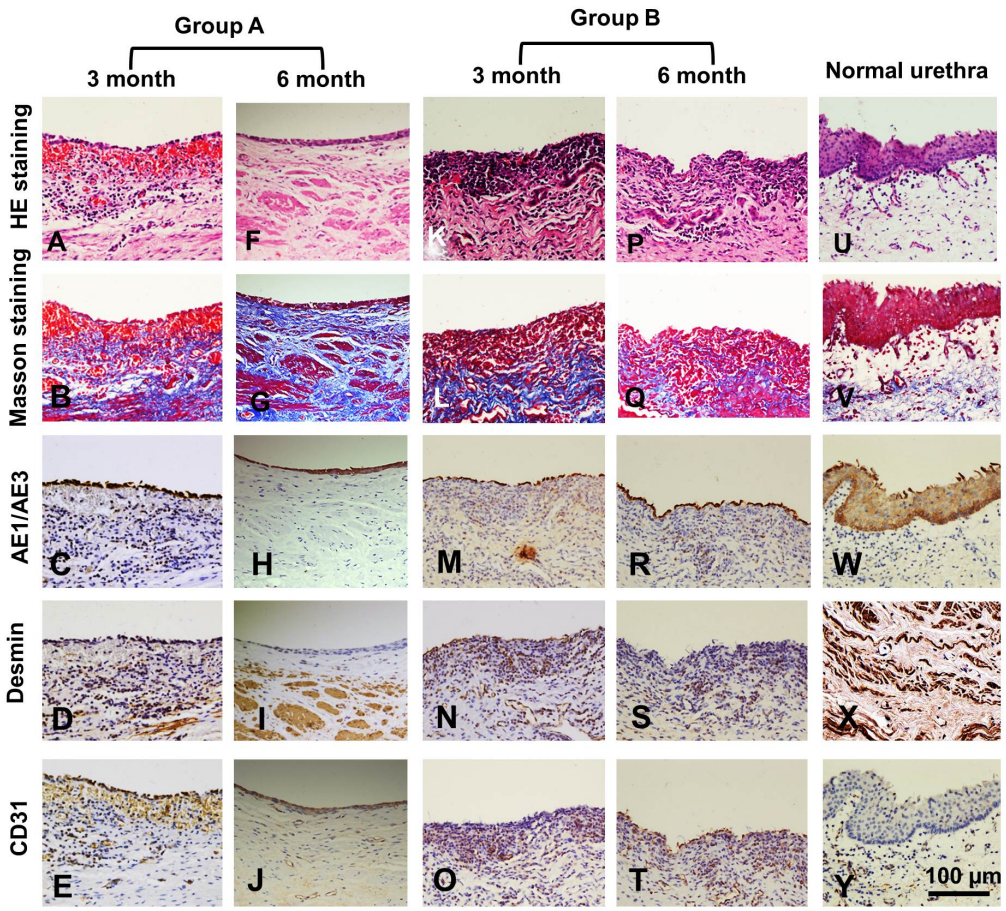

Figure 6. Histologic analysis of reconstructed urethras at 3 and 6 months post-implantation. Evaluation of epithelium, smooth muscle and vessels with AE1/AE3, desmin and **CD31** immunohistochemical (IHC) staining in the retrieved urethra; H&E: hematoxylin and eosin.

Erratum 2

Sentence of page 3156:

"After the urethral caliber was assessed with retrograde urethrograms, five animals from each group were killed at **one and three** months post-implantation.".

should be modified to be:

""After the urethral caliber was assessed with retrograde urethrograms, five animals from each group were killed at **three and six** months post-implantation".

Erratum 3

Sentence of page 3159:

"At **1** month, retrograde urethrograms showed a wide urethral caliber without a fistula or stricture in group A (Fig. 5 G). However, group B revealed mild strictures in all dogs, and bladder distension occurred after catheter removal in 3 dogs at **1** month (Fig. 5 I).

At **3** months, retrograde urethrography revealed the maintenance of a wide urethral caliber without any sign of strictures in group A (Fig. 5 H).

Histological assays were performed on all groups at **1** and **3** months post-operation. At **1** month, all canines in group A had intact epithelial cellular layers: 2-3 layers of well-developed, stratified epithelium (Fig. 6 A, C) and increased numbers of organized muscle bundles were observed (Fig. 6 B, D). At **1** and **3** months, a large amount of new growth vascular formation was observed in groups A and B (Fig. 6 E, J, O, T)."

should be modified to be:

" At **3** month, retrograde urethrograms showed a wide urethral caliber without a fistula or stricture in group A (Fig. 5 G). However, group B revealed mild strictures in all dogs, and bladder distension occurred after

catheter removal in 3 dogs at **3** month (Fig. 5 I).

At **6** months, retrograde urethrography revealed the maintenance of a wide urethral caliber without any sign of strictures in group A (Fig. 5 H).

Histological assays were performed on all groups at **3** and **6** months post-operation. At **3** month, all canines in group A had intact epithelial cellular layers: 2-3 layers of well-developed, stratified epithelium (Fig. 6 A, C) and increased numbers of organized muscle bundles were observed (Fig. 6 B, D). At **3** and **6** months, a large amount of new growth vascular formation was observed in groups A and B (Fig. 6 E, J, O, T).".

References

1. Lv X, Feng C, Liu Y, et al. A smart bilayered scaffold supporting keratinocytes and muscle cells in micro/nano-scale for urethral reconstruction. Theranostics. 2018; 8(11): 3153-63. doi: 10.7150/thno.22080