

Sex-Dependent Regeneration Patterns in Mouse Submandibular Glands

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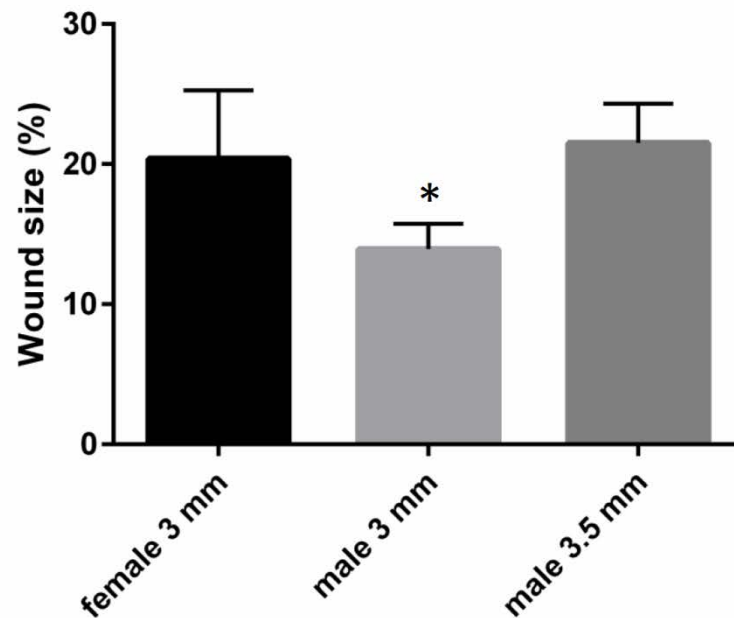
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Appendix Figure 1. Males Require a 3.5-mm Surgical Punch to Have the Same Percentage of Gland Loss as Females SMG from male and female mice were dissected. Weights of glands were recorded, and surgical wounds were created using a 3-mm or 3.5-mm diameter biopsy punch. Then, glands were weighed again, and the percentage change was calculated. Data represent the means \pm SD of $n = 7$ SMG per condition and statistical significance was assessed by one-way ANOVA ($P < 0.05$) and Dunnett's post-hoc test for multiple comparisons to the female glands (3-mm wound).

Appendix

Saliva Secretion Group Comparison - Male			
Group	Mean Difference	95% CI	p.Adjust
L_{1p}-FH vs. Untreated	0.15	(-0.02, 0.32)	0.09
Sham vs. Untreated	0.32	(0.16, 0.49)	<0.001
Sham vs. L_{1p}-FH	0.18	(0.01, 0.34)	0.041

Saliva Secretion Group Comparison - Female			
Group	Mean Difference	95% CI	p.Adjust
L_{1p}-FH vs. Untreated	0.36	(0.13, 0.59)	0.01
Sham vs. Untreated	0.65	(0.42, 0.88)	<0.001
Sham vs. L_{1p}-FH	0.29	(0.07, 0.52)	0.009

Appendix Figure 2. L_{1p}-FH Promote Saliva Secretion in Females Only Mice were anesthetized and stimulated with pilocarpine (50 mg/kg) and isoproterenol (0.5 mg/kg) in untreated, L_{1p}-FH, and sham groups at post-surgery day 20 in male and female mice. Then, whole saliva was collected for 5 min. Data represent the means \pm SD of n = 10 mice per condition and statistical significance was assessed by one-way ANOVA and Tukey's Honestly Significant Differences post-hoc test.

Appendix

Antibody	Dilution
Rabbit anti-ICAM1	1:100
Mouse anti-VCAM-1	1:100
Rabbit anti-iNOS	1:100
Rabbit anti-Arginase 1	1:100
Alexa Fluor 488 conjugated anti-rabbit IgG	1:500
Alexa Fluor 568 conjugated anti-rabbit IgG	1:500
Alexa Fluor 568 conjugated anti-mouse IgG	1:500
TO-PRO-3	1:1000

Appendix Table 1. List of antibodies used for immunofluorescent staining.