

# “Local Long-term Inner Ear Drug Delivery in Normal Hearing Guinea Pig – an Animal Model to develop preventive treatment for noise-induced hearing loss”

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## Supplement S1: detailed information on the statistical tests performed

### Figure 6A

all: paired t-test

### Figure 6B

all: paired t-test

### Figure 7

all: paired t-test

### Figure 8A

comparison	test used
click	paired t-test
0.5 kHz	Wilcoxon signed-rank test
1 kHz	Wilcoxon signed-rank test
2 kHz	Wilcoxon signed-rank test
4 kHz	paired t-test
8 kHz	paired t-test
16 kHz	Wilcoxon signed-rank test
32 kHz	paired t-test
40 kHz	Wilcoxon signed-rank test

### Figure 8B

comparison	test used
click	paired t-test
0.5 kHz	Wilcoxon signed-rank test
1 kHz	Wilcoxon signed-rank test
2 kHz	Wilcoxon signed-rank test
4 kHz	paired t-test
8 kHz	paired t-test
16 kHz	paired t-test
32 kHz	Wilcoxon signed-rank test
40 kHz	paired t-test

**Figure 8C**

<b>comparison</b>	<b>test used</b>
click	paired t-test
0.5 kHz	Wilcoxon signed-rank test
1 kHz	Wilcoxon signed-rank test
2 kHz	Wilcoxon signed-rank test
4 kHz	paired t-test
8 kHz	paired t-test
16 kHz	Wilcoxon signed-rank test
32 kHz	Wilcoxon signed-rank test
40 kHz	Wilcoxon signed-rank test

**Figure 9**

- **d0 pre noise vs. d0 post noise**

<b>comparison</b>	<b>test used</b>
0.5 kHz	Wilcoxon signed-rank test
1 kHz	Wilcoxon signed-rank test
2 kHz	Wilcoxon signed-rank test
4 kHz	paired t-test
8 kHz	paired t-test
16 kHz	paired t-test
32 kHz	Wilcoxon signed-rank test
40 kHz	Wilcoxon signed-rank test

- **d0 post noise vs. d7**

<b>comparison</b>	<b>test used</b>
0.5 kHz	paired t-test
1 kHz	paired t-test
2 kHz	paired t-test
4 kHz	paired t-test
8 kHz	paired t-test
16 kHz	paired t-test
32 kHz	paired t-test
40 kHz	Wilcoxon signed-rank test

- **d0 pre noise vs. d7**

<b>comparison</b>	<b>test used</b>
0.5 kHz	Wilcoxon signed-rank test
1 kHz	Wilcoxon signed-rank test
2 kHz	Wilcoxon signed-rank test
4 kHz	paired t-test
8 kHz	paired t-test
16 kHz	paired t-test
32 kHz	Wilcoxon signed-rank test
40 kHz	paired t-test

**Figure 11**

<b>comparison</b>	<b>test used</b>
click	paired t-test
0.5 kHz	paired t-test
1 kHz	paired t-test
2 kHz	Wilcoxon signed-rank test
4 kHz	paired t-test
8 kHz	paired t-test
16 kHz	Wilcoxon signed-rank test
32 kHz	paired t-test
40 kHz	Wilcoxon signed-rank test

**Figure 12A**

<b>comparison</b>	<b>test used</b>
click	paired t-test
0.5 kHz	paired t-test
1 kHz	Wilcoxon signed-rank test
2 kHz	paired t-test
4 kHz	paired t-test
8 kHz	paired t-test
16 kHz	paired t-test
32 kHz	paired t-test
40 kHz	paired t-test

**Figure 12B**

<b>comparison</b>	<b>test used</b>
click	paired t-test
0.5 kHz	paired t-test
1 kHz	paired t-test
2 kHz	Wilcoxon signed-rank test
4 kHz	paired t-test
8 kHz	paired t-test
16 kHz	Wilcoxon signed-rank test
32 kHz	paired t-test
40 kHz	paired t-test