**Tables 8 – 9:** Correlation coefficients and p-values for the pyloric cohort before and after anesthetic, respectively

|          | Before Anesthetic |          |          |          |          |          |
|----------|-------------------|----------|----------|----------|----------|----------|
|          | \( F_1 \)         | \( F_1 \rho \) | p-value   | \( F_0 \) | \( F_0 \rho \) | p-value   |
| 1*       | -                 | -        | -        | -        | -        | -        |
| 2        | 2.50              | 0.96     | 0.015    | 0.22     | 0.056    | 0.742    |
| 3        | 2.17              | 0.42     | 0.029    | 0.23     | 0.152    | 0.381    |
| 4        | 1.67              | 0.13     | 0.643    | 0.25     | 0.352    | 0.000    |
| 5        | 2.50              | -0.03    | 0.504    | 0.26     | 0.393    | 0.016    |

|          | After Anesthetic  |          |          |          |          |          |
|----------|-------------------|----------|----------|----------|----------|----------|
|          | \( F_1 \)         | \( F_1 \rho \) | p-value   | \( F_0 \) | \( F_0 \rho \) | p-value   |
| 1*       | -                 | -        | -        | -        | -        | -        |
| 2        | 2.50              | 0.96     | 0.019    | 0.25     | -0.146   | 0.425    |
| 3        | 2.67              | 0.64     | 0.016    | 0.25     | 0.112    | 0.602    |
| 4        | 2.50              | 0.57     | 0.608    | 0.25     | 0.460    | 0.014    |
| 5        | 2.50              | 0.61     | 0.088    | 0.25     | 0.110    | 0.626    |

*As the first patient recorded using these methods, Patient 1 was not included in the correlation coefficient analysis due to inconsistencies in the signal recording compared to the later acquired patients.

**Tables 10 – 13:** Correlation coefficients and p-values for the craniosynostosis cohort for MAC group 1, MAC group 2, and MAC group 3, respectively. As stated previously, it is important to note that the craniotomy length for each patient was significantly reduced after sections containing artifacts were removed. Therefore, not every MAC group had the sufficient amount of points needed to compute the correlation coefficient. The MAC groups that had a sufficient amount of data for each patient are:

Patient 1 → MAC group 1

Patient 2 → MAC group 1

Patient 3 → MAC group 1

Patient 4 → MAC group 1

Patient 5 → MAC groups 3 and 4

Patient 6 → MAC group 1

Patient 7 → MAC groups 2, 3, and 4
### MAC Group 1

|   | F₁   | F₁ ρ | p-value | F₀   | F₀ ρ | p-value |
|---|------|------|---------|------|------|---------|
| 1 | 1.71 | 0.146| 0.000   | 0.40 | 0.099| 0.000   |
| 2 | 2.39 | 0.029| 0.258   | 0.25 | 0.373| 0.000   |
| 3 | 1.74 | 0.228| 0.000   | 0.20 | 0.275| 0.000   |
| 4 | 2.25 | 0.046| 0.012   | 0.23 | -0.005| 0.979  |
| 6 | 1.89 | 0.111| 0.002   | 0.21 | 0.101| 0.004   |

### MAC Group 2

|   | F₁   | F₁ ρ | p-value | F₀   | F₀ ρ | p-value |
|---|------|------|---------|------|------|---------|
| 7 | 1.89 | 0.003| 0.995   | 0.40 | -0.115| 0.584   |

### MAC Group 3

|   | F₁   | F₁ ρ | p-value | F₀   | F₀ ρ | p-value |
|---|------|------|---------|------|------|---------|
| 5 | 2.04 | 0.395| 0.204   | 0.340| -0.084| 0.795   |
| 7 | 1.85 | 0.360| 0.051   | 0.40 | 0.128| 0.501   |

### MAC Group 4

|   | F₁   | F₁ ρ | p-value | F₀   | F₀ ρ | p-value |
|---|------|------|---------|------|------|---------|
| 5 | 1.85 | 0.036| 0.039   | 0.21 | -0.004| 0.836   |
| 7 | 1.78 | 0.052| 0.052   | 0.22 | 0.001| 0.959   |