**Supplementary Table 7. Associations with Oral Feeding as an Independent Variable**

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| Table 1. Preoperative Dependent Variables | | |
| Study | **High Frequency Heart Rate Variability** | **Parent/Infant/Dyadic Subscales** |
| Averin et al. (2012) |  |  |
| Dewan et al. (2012) |  |  |
| Harrison & Ferree (2014) | NS | NS |
| Jeffries et al. (2006) |  |  |
| Karsch et al. (2017) |  |  |
| (Kataria-Hale et al. (2021) |  |  |
| Skinner et al. (2005) |  |  |
| Key: NS = non-significant association/relationship as reported by primary study authors | | |

|  |  |
| --- | --- |
| Table 2. Intraoperative Dependent Variables | |
| Study | **Aortic Arch vs Non-Aortic Arch Surgery** |
| Averin et al. (2012) |  |
| Dewan et al. (2012) | S |
| Harrison et al. (2014) |  |
| Jeffries et al. (2006) |  |
| Karsch et al. (2017) |  |
| (Kataria-Hale et al. (2021) |  |
| Skinner et al. (2005) |  |
| Key: S = statistically significant association/relationship as reported by primary study authors; | |

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| Table 3. Postoperative Dependent Variables | | | | | | | | | | | |
| Study | **Clinical Aspiration Events** | **Gastro-intestinal Complications** | **Length of Hospital Stay (days)** | **Necro-tizing Entero-colitis** | **Post-operative Days to Reach Full Feed Volume (enteral or oral)** | **Post-**  **operative**  **Laryngo-pharyngeal Dysfunction** | **Post-**  **operative Swallowing Dysfunction** | **Post-**  **operative**  **Vocal Cord Dysfunction** | **Post-operative Vocal Cord Dysfunction & Swallowing Dysfunction** | **Swallow Study Results** | **Vocal Fold Paresis vs Mobile Vocal Folds** |
| Averin et al. (2012) |  |  |  |  |  |  | NS | NS | S |  |  |
| Dewan et al. (2012) |  |  |  |  |  |  |  |  |  |  | S |
| Harrison & Ferree (2014) |  |  |  |  |  |  |  |  |  |  |  |
| Jeffries et al. (2006) |  | S |  | S |  |  |  |  |  |  |  |
| Karsch et al. (2017) | NS |  |  |  |  |  |  |  |  | S |  |
| (Kataria-Hale et al. (2021) |  |  | S | NS | S |  |  |  |  |  |  |
| Skinner et al. (2005) |  |  |  |  |  | NS |  |  |  |  |  |
| Key: NS = non-significant association/relationship as reported by primary study authors; S = statistically significant association/relationship as reported by primary study authors; | | | | | | | | | | | |