# Model Comparison

## Secondary Analyis: Treatment Effect Heterogenity by Sex

| | # of Parameters | Log-Likelihood | AIC | BIC |
|---|---|---|---|---|
| **(1) Any VTE** | | | | |
| Proportional Hazards | 21 | −21825.8 | 43693.5 | 43811.48 |
| Interaction with log(t) | 23 | −21723.9 | 43493.8 | 43622.96 |
| NCS with df = 1 | 23 | −21796.6 | 43639.2 | 43768.43 |
| NCS with df = 2 | 25 | −21760.8 | 43571.6 | 43712.05 |
| NCS with df = 3 | 27 | −21722.5 | 43499.0 | 43650.69 |
| NCS with df = 4 | 29 | −21699.4 | 43456.8 | 43619.69 |
| NCS with df = 5 | 31 | −21693.4 | 43448.8 | 43622.93 |
| NCS with df = 6 | 33 | −21694.2 | 43454.5 | 43639.82 |
| **(3) PE (w/ or w/out DVT)** | | | | |
| Proportional Hazards | 21 | −7555.6 | 15153.1 | 15249.04 |
| Interaction with log(t) | 23 | −7532.5 | 15111.0 | 15216.02 |
| NCS with df = 1 | 23 | −7551.8 | 15149.6 | 15254.62 |
| NCS with df = 2 | 25 | −7539.0 | 15128.0 | 15242.13 |
| NCS with df = 3 | 27 | −7525.3 | 15104.6 | 15227.86 |
| NCS with df = 4 | 29 | −7518.4 | 15094.7 | 15227.16 |
| NCS with df = 5 | 31 | −7517.7 | 15097.3 | 15238.87 |
| NCS with df = 6 | 33 | −7517.6 | 15101.2 | 15251.86 |

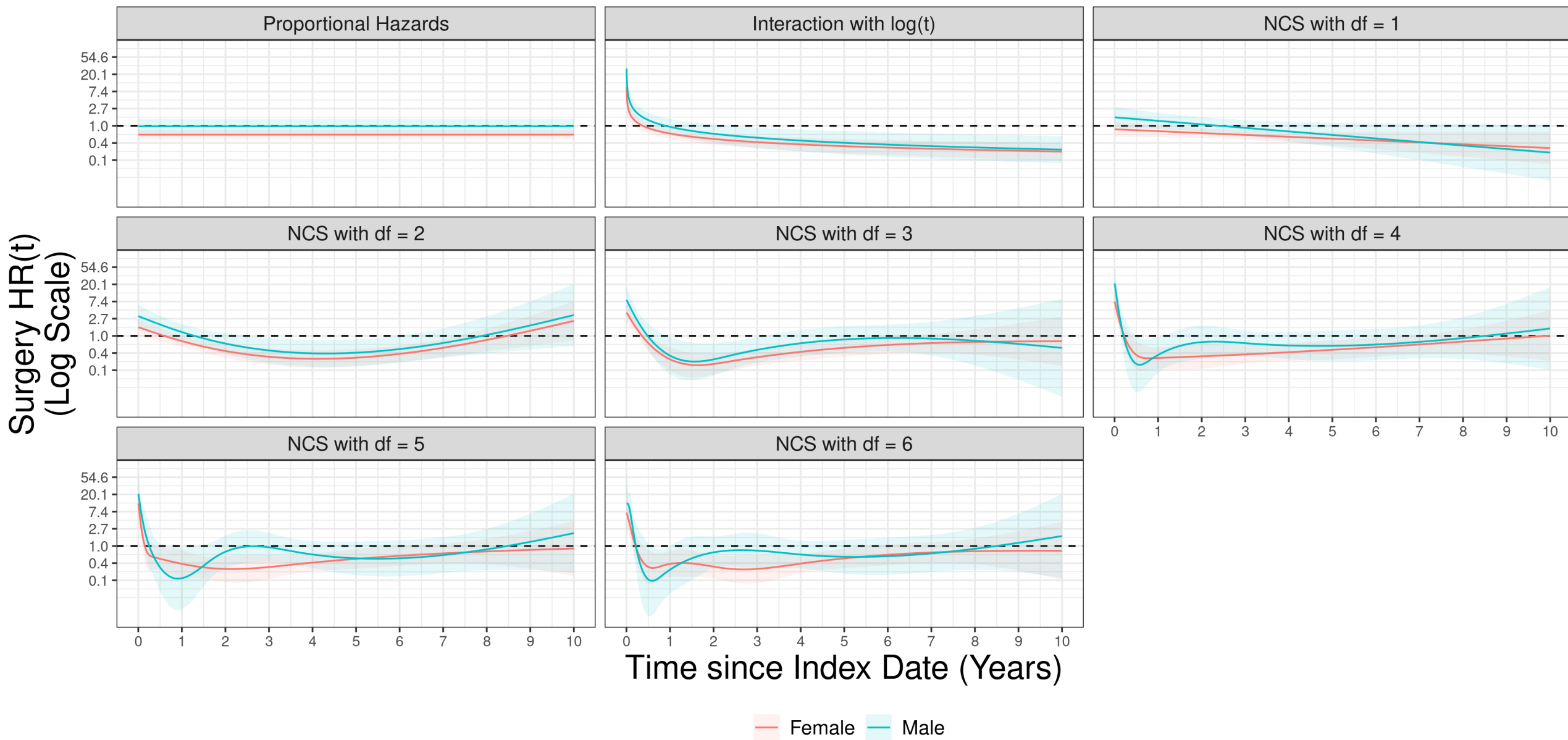Red: Best Model by BIC | Blue: Best Model by AIC | Purple: Best Model by BOTH metrics

Hazard Ratio for Surgery Over Time
First VTE Event

Secondary Analyis: Treatment Effect Heterogenity by Sex
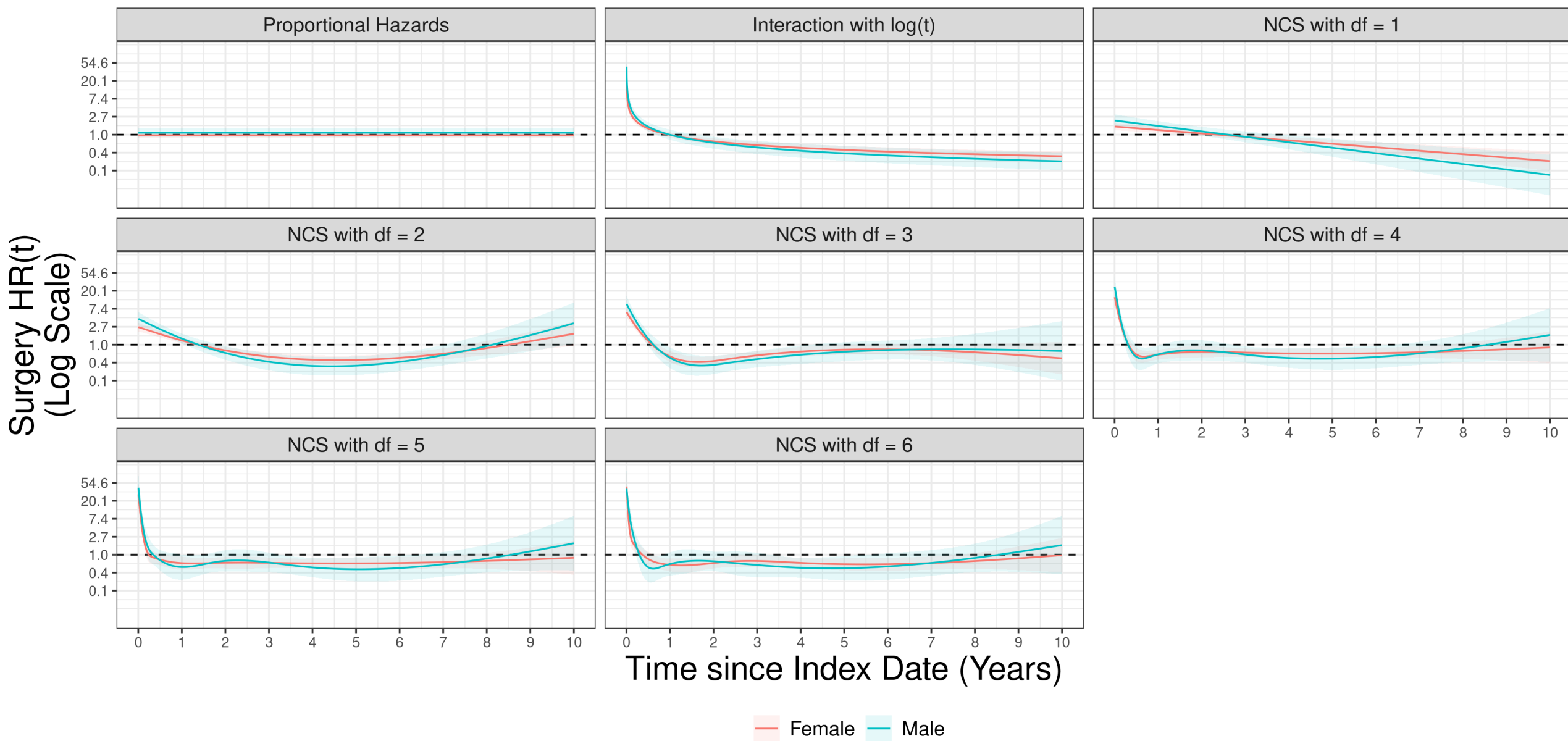
Hazard Ratio for Surgery Over Time
PE (w/ or w/out DVT)
Secondary Analyis: Treatment Effect Heterogenity by Sex

Hazard Ratio for Surgery Over Time
Comparison by Outcome (Best Models)
Secondary Analyis: Treatment Effect Heterogenity by Sex