

SUPPLEMENTAL MATERIAL

1. Supplemental Tables I

Rates of good neurological outcome by ASPECTS subgroups

2. Supplemental Tables II

a. Angiographic collateral grades by sex

b. Rates of good neurological outcome by collateral grade and sex in patients with TICI 2b/3 reperfusion

3. Supplemental Tables III

Unadjusted outcomes using primary life expectancy calculation

4. Supplemental Tables IV

Unadjusted outcomes using sensitivity analysis life expectancy calculation

5. Supplemental Tables V

Disability-adjusted life year outcomes using sensitivity analysis life expectancy calculation

6. Supplemental Figure I

Forest plot showing change in adjusted disability adjusted life years of SWIFT, STAR, and SWIFT-PRIME study

Supplemental Table I. Rates of good neurological outcome by ASPECTS subgroups

	Male with 90d mRS 0-2 %	Female with 90d mRS 0-2 %	P-value
ASPECTS 0-6	41%	38%	0.83
ASPECTS 7-8	53%	60%	0.46
ASPECTS 9-10	75%	65%	0.24

*Data are reported as %

†Abbreviation: mRS, modified Rankin scale; ASPECTS, Alberta stroke program early CT scan score

Supplemental Table II a. Angiographic collateral grades by sex

	Female No. (%) (n=153)	Male No. (%) (n=120)	p-value
Collateral Grade 0-2	61 (39.9%)	45 (37.5%)	0.71
Collateral Grade 3-4	92 (60.1%)	75 (62.5%)	0.71

*Data are reported as n/N (%)

Supplemental Table II b. Rates of good neurological outcome by collateral grade and sex in patients with TICI 2b/3 reperfusion

	Female with 90d mRS 0-2 n/N (%) (n=149)	Male with 90d mRS 0-2 n/N (%) (n=117)	p-value
Collateral Grade 0-2	40/89 (44.9%)	37/73 (50.7%)	0.53
Collateral Grade 3-4	40/60 (66.7%)	32/44 (72.7%)	0.53

*Data are reported as n/N (%)

†Abbreviation: mRS, modified Rankin scale

Supplemental Table III. Unadjusted outcomes using primary life expectancy calculation

Metric	Male (n=175)	Female (n=214)	p-value*
Age (years)	64 ± 12	69 ± 13	<0.001
NIHSS at baseline	17 ± 5	17 ± 5	0.31
Full life expectancy	19 ± 9	18 ± 10	0.02
Life expectancy post-stroke	12 ± 9	12 ± 10	0.17
Disability-adjusted life years expected	10 ± 9	9 ± 9	0.48

* p-values from Wilcoxon's nonparametric signed-rank test

†Data are reported as Mean ± SD

‡Abbreviation: NIHSS, national institutes of health stroke scale

Supplemental Table IV. Unadjusted outcomes using sensitivity analysis life expectancy calculation

Metric	Male (n=175)	Female (n=214)	p-value*
Age (years)	64 ± 12	69 ± 13	<0.001
NIHSS at baseline	17 ± 5	17 ± 5	0.31
Full life expectancy	19 ± 9	18 ± 10	0.02
Life expectancy post-stroke	12 ± 9	12 ± 10	0.30
Disability-adjusted life years expected	10 ± 9	10 ± 10	0.63

* p-values from Wilcoxon's nonparametric signed-rank test

† Data are reported as Mean ± SD

‡ Abbreviation: NIHSS, national institutes of health stroke scale

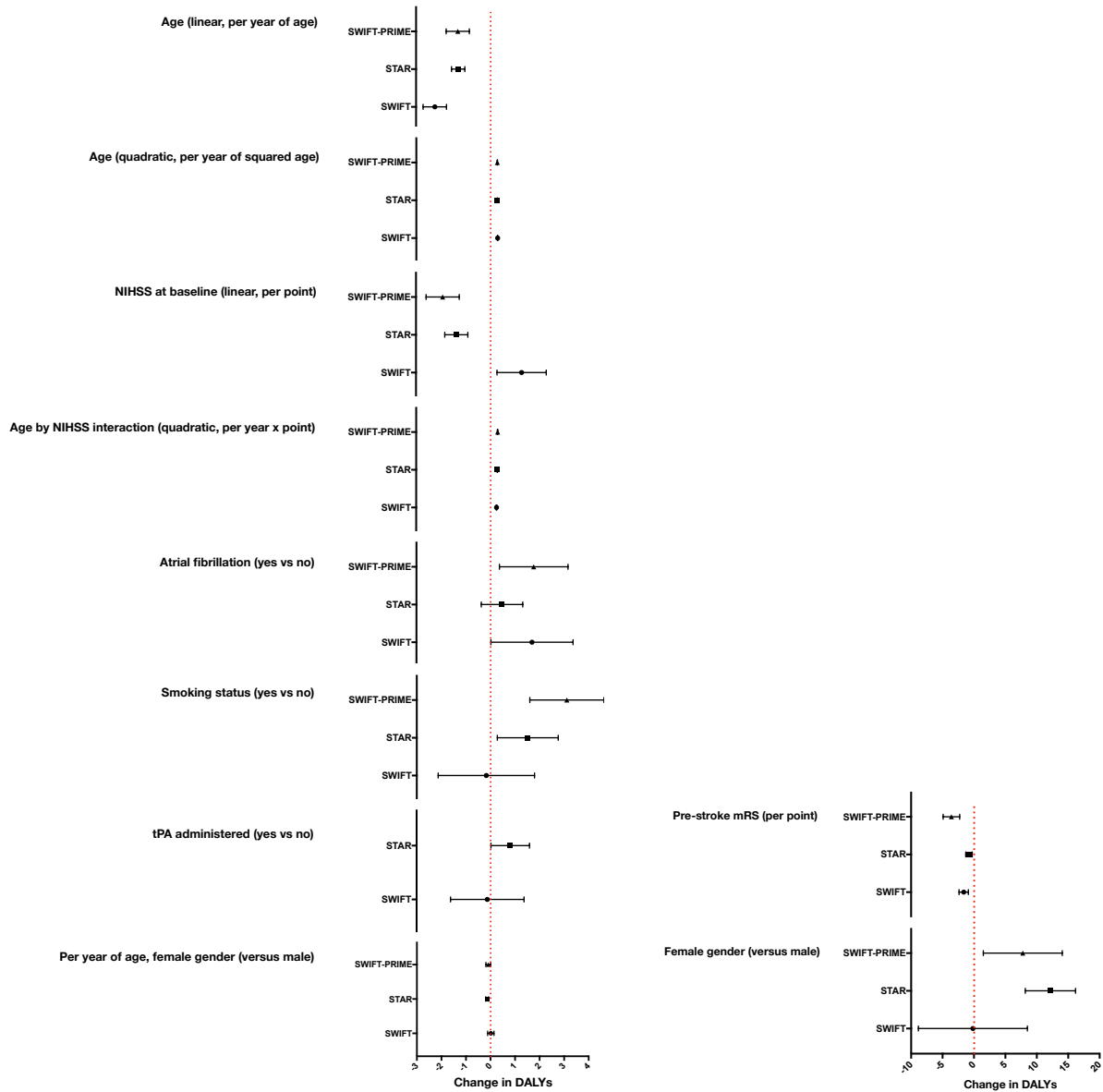
Supplemental Table V. Disability-adjusted life year outcomes using sensitivity analysis life expectancy calculation

Parameter	Change in DALY per unit of parameter	Standard Error	p-value
Age (linear, per year of age)	-1.5	0.2	<.0001
Age (quadratic, per year of squared age)	0.007	0.001	<.0001
NIHSS at baseline (linear, per point)	-1.2	0.3	0.0004
Age by NIHSS interaction (quadratic, per year x point)	0.01	0.005	0.0107
Pre-stroke mRS (per point)	-1.4	0.4	0.0007
Atrial fibrillation (yes vs no)	0.5	0.6	0.4289
Smoking status (yes vs no)	0.7	0.8	0.3633
IV-tPA administered (yes vs no)	0.05	0.6	0.9339
Female gender (versus male)	11.2	3.1	0.0003
Per year of age, female gender (versus male)	-0.13	0.05	0.0047

*Abbreviation: NIHSS, national institutes of health stroke scale; mRS, modified Rankin Scale; IV-

tPA, intravenous tissue plasminogen activator

Supplemental Figure I. Forest plot showing disability adjusted life years expectancy (DALYs) of SWIFT, STAR, and SWIFT-PRIME study



Multivariate model for each study showing change in DALYs with adjusting parameters.

*Abbreviation: NIHSS, national institutes of health stroke scale; tPA, tissue plasminogen activator; mRS, modified Rankin scale ; DALYs, disability-adjusted life years