

Table 6: Mean values for MTR and diffusion parameters in males and females

	MTR: mean (s.d.)		
	Males	Females	p-value
Genu of corpus callosum	0.632 (0.006)	0.631 (0.005)	0.65
Splenium of corpus callosum	0.618 (0.007)	0.618 (0.009)	0.56
Left Uncinate Fasciculus	0.615 (0.007)	0.615 (0.007)	0.87
Right Uncinate Fasciculus	0.618 (0.008)	0.619 (0.006)	0.53
Left SLF	0.625 (0.006)	0.626 (0.006)	0.16
Right SLF	0.622 (0.005)	0.622 (0.007)	0.74
	FA: mean (s.d.)		
	Males	Females	p-value
Genu of corpus callosum	0.621 (0.031)	0.631 (0.032)	0.04
Splenium of corpus callosum	0.614 (0.032)	0.618 (0.025)	0.12
Left Uncinate Fasciculus	0.466 (0.030)	0.472 (0.028)	0.19
Right Uncinate Fasciculus	0.455 (0.025)	0.460 (0.027)	0.39
Left SLF	0.516 (0.037)	0.522 (0.036)	0.18
Right SLF	0.505 (0.027)	0.511 (0.025)	0.11
	Radial diffusivity: mean (s.d.)		
	Males	Females	p-value
Genu of corpus callosum	4.31 (0.37) x 10 <sup>-5</sup>	4.19 (0.40) x 10 <sup>-5</sup>	0.08
Splenium of corpus callosum	5.12 (0.49) x 10 <sup>-5</sup>	5.03 (0.36) x 10 <sup>-5</sup>	0.08
Left Uncinate Fasciculus	5.69 (0.36) x 10 <sup>-5</sup>	5.66 (0.34) x 10 <sup>-5</sup>	0.62
Right Uncinate Fasciculus	5.68 (0.31) x 10 <sup>-5</sup>	5.65 (0.35) x 10 <sup>-5</sup>	0.74
Left SLF	5.21 (0.31) x 10 <sup>-5</sup>	5.10 (0.29) x 10 <sup>-5</sup>	0.03
Right SLF	5.19 (0.27) x 10 <sup>-5</sup>	5.04 (0.26) x 10 <sup>-5</sup>	0.001
	Longitudinal diffusivity: mean (s.d.)		
	Males	Females	p-value
Genu of corpus callosum	14.00 (0.65) x 10 <sup>-5</sup>	14.02 (0.61) x 10 <sup>-5</sup>	0.35
Splenium of corpus callosum	15.67 (0.73) x 10 <sup>-5</sup>	15.52 (0.49) x 10 <sup>-5</sup>	0.35
Left Uncinate Fasciculus	12.37 (0.48) x 10 <sup>-5</sup>	12.48 (0.48) x 10 <sup>-5</sup>	0.10
Right Uncinate Fasciculus	12.23 (0.46) x 10 <sup>-5</sup>	12.27 (0.52) x 10 <sup>-5</sup>	0.57
Left SLF	12.42 (0.57) x 10 <sup>-5</sup>	12.33 (0.52) x 10 <sup>-5</sup>	0.38
Right SLF	12.09 (0.44) x 10 <sup>-5</sup>	11.87 (0.40) x 10 <sup>-5</sup>	0.001

P-values for the difference in means between boys and girls are based on the drop in log-likelihood when fixing the effect of sex to zero for that particular fiber tract.

SLF = superior longitudinal fasciculus.