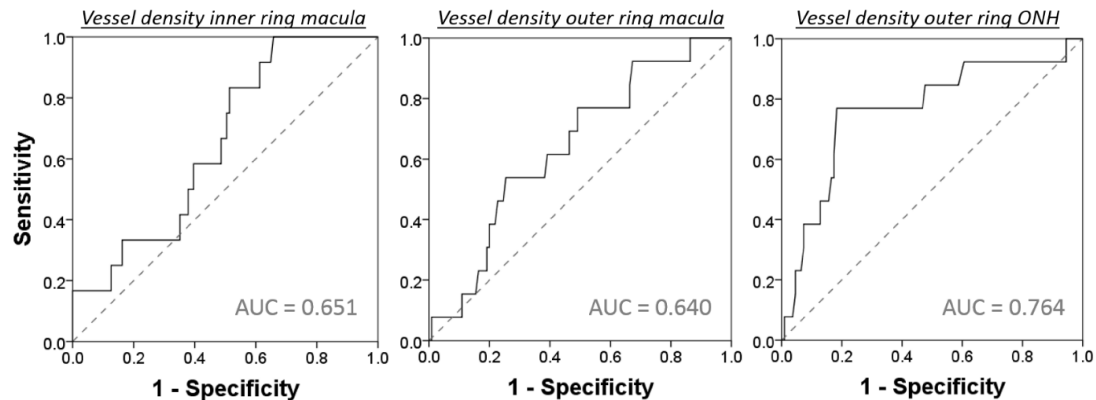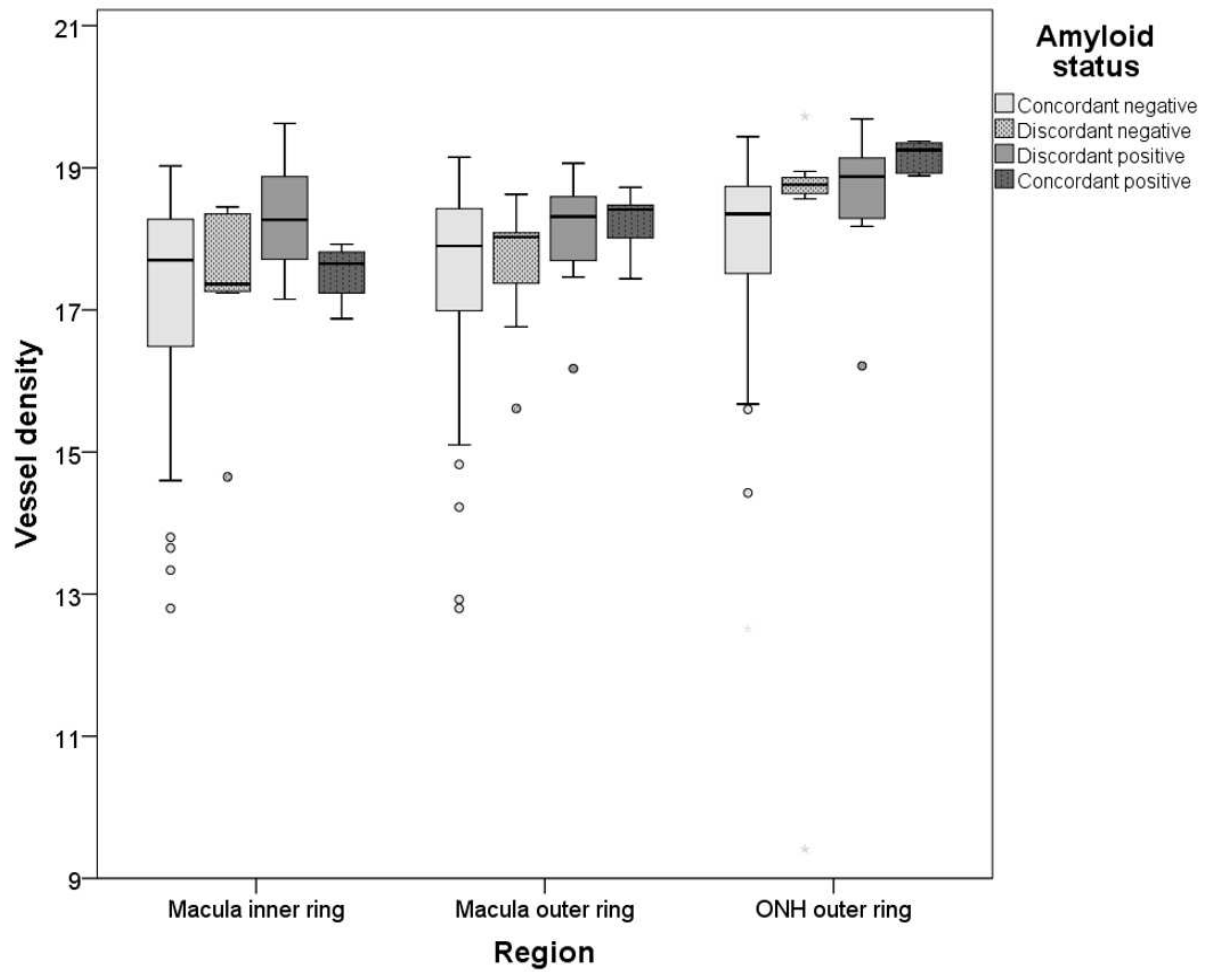# Supplementary material "*Optical Coherence Tomography Angiography in Preclinical Alzheimer's Disease*"

Supplementary figure 1: Receiver Operating Characteristic (ROC) curves for vessel density OCTA measures in predicting preclinical Alzheimer's disease (i.e. positive visual rating score for amyloid-beta on PET). AUC = Area Under the Curve.

	Estimated marginal mean	p-value	Raw overall p-value
Retinal vessel density inner ring macula			
- Concordant negative (N=102)*	*17.3*	*NA*	
- Discordant negative (N=7)	*17.3*	*0.918*	***0.009***
- Discordant positive (N=8)	***18.2***	***0.001***	
- Concordant positive (N=4)	*17.6*	*0.087*	
Retinal vessel density outer ring macula			
- Concordant negative (N=101)*	*17.6*	*NA*	
- Discordant negative (N=7)	*17.4*	*0.429*	*0.101*
- Discordant positive (N=8)	*18.0*	*0.118*	
- Concordant positive (N=5)	*18.1*	*0.122*	
Retinal vessel density outer ring ONH			
- Concordant negative (N=100)*	*18.0*	*NA*	
- Discordant negative (N=7)	*17.4*	*0.521*	***<0.001***
- Discordant positive (N=8)	*18.5*	*0.157*	
- Concordant positive (N=5)	***19.3***	***<0.001***	

Supplementary table 1: twin post-hoc Aβ load analyses with group means for retinal vessel densities in 3 regions. **Bold** p-values are significant at p<0.05. Obtained using GEE, corrected for age, gender, scan quality and diagnosis of diabetes. NA = not applicable, ONH = Optic Nerve Head. Groups with an asterisk (*) were used as reference category in the analyses for obtaining the p-values in column 2.

Supplementary figure 2: Boxplots for twin Aβ load groups for retinal vessel densities in 3 regions.