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Quantitative analysis of the capillary network of aged APPswe/PS1dE9 transgenic mice

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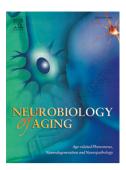
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**Abstract** 

- A combination of immunohistochemical and stereological techniques were used to investigate the capillary network in the cerebral cortex of 18 months old APPswe/PS1dE9 transgenic mice and control littermates. Data regarding total capillary length, segment number, diffusion radius and pericyte number are presented. The total length was 60 meters and there was a one-to-one relationship
- between the number of capillary segments and pericytes in both groups. Significant differences were not observed in the transgenic and wildtype controls indicating that the Alzheimer's like amyloidosis produced in this transgenic mouse has a minimal affect on the structural integrity of the cerebral capillary network.

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