

Sex differences in the relationship between cardiovascular risk and brain health among patients at the Leenaards Memory Centre

LVCV GRAND PRIX ACTION 2026

Sivaniya Subramaniapillai

Carole Clair

Joëlle Schwarz

Unisanté / UNIL, with the Centre Leenaards de la Mémoire, CHUV



Up to 45% of dementia cases may be preventable by addressing modifiable risk factors, including cardiovascular risks. Yet prevention is rarely tailored by sex.

3,524

patients with structural MRI

52%

women

70

mean age at first MRI

AIM 1

Are cardiovascular risk factors associated with brain health differently in women and men?

AIM 2

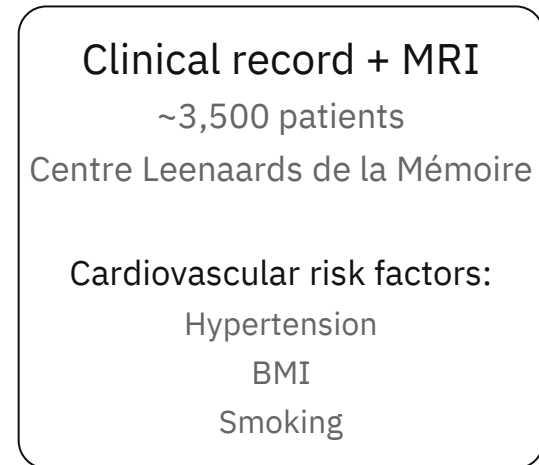
Do these associations vary with cerebral small-vessel disease burden?

**EXPECTED
RESULT**

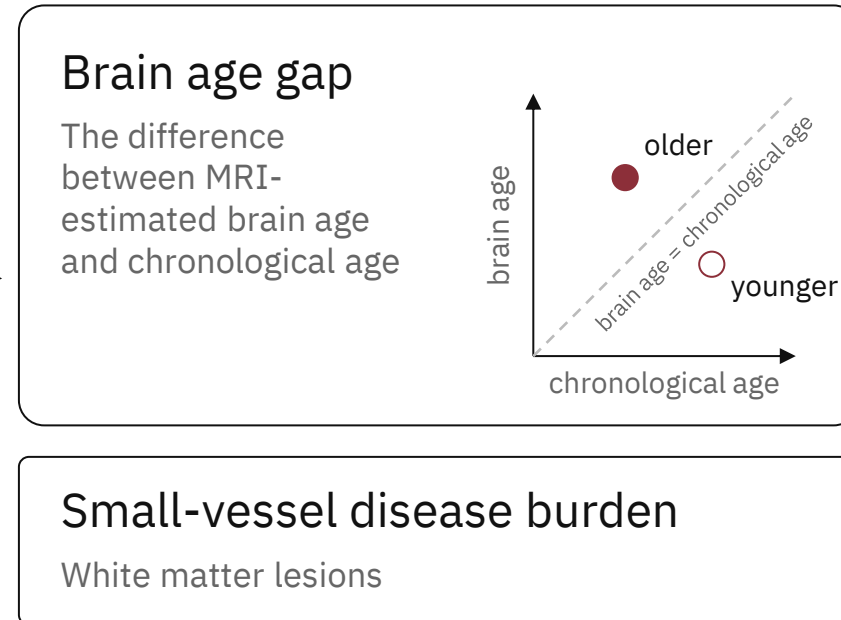
Identify cardiovascular risk profiles linked to poorer brain health in women and in men among memory-clinic patients in Vaud

How we will do it

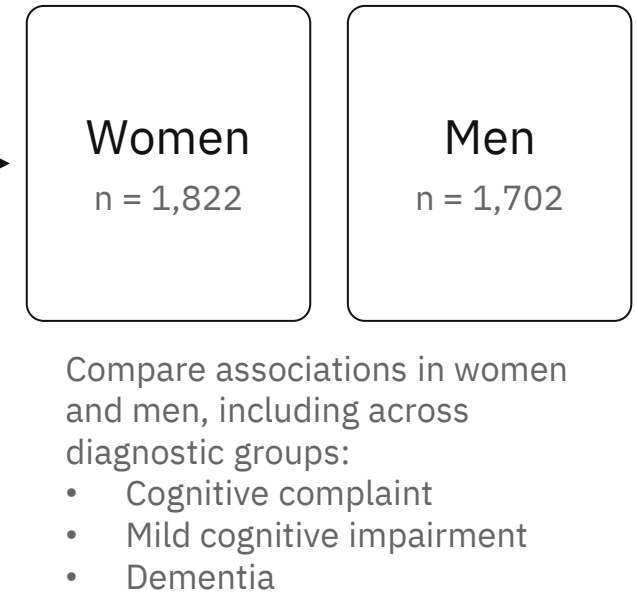
DATA



MEASURES



ANALYSIS



The team



Sivaniya Subramaniapillai

Primary Applicant
Unisanté / UNIL



Carole Clair

Co-supervisor
Unisanté / UNIL



Joëlle Schwarz

Co-supervisor
Unisanté / UNIL



Gilles Allali

Centre Leenaards de la Mémoire,
CHUV



Alessandra Griffo

Centre Leenaards de la Mémoire,
CHUV



Giulia Bommarito

Centre Leenaards de la Mémoire,
CHUV



Ann-Marie de Lange

QMUL
