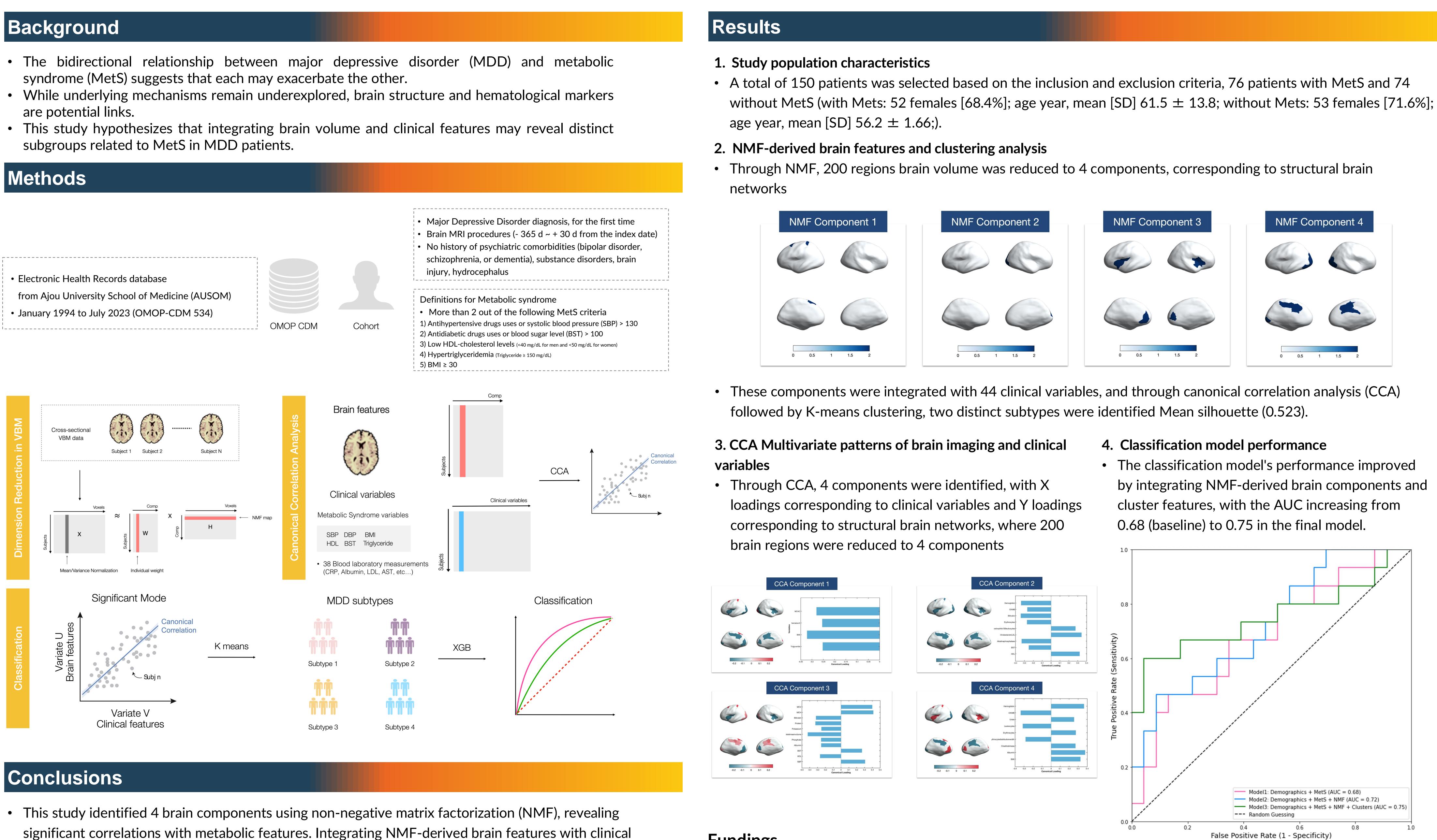


# **Exploring the interplay between metabolic syndrome and brain volume** in depression: Basis for Phenotype-Based Classification

Sujin Gan<sup>1</sup>, Narae Kim<sup>1,3</sup>, Bumhee Park<sup>2,3</sup>, and Rae Woong Park<sup>1,3</sup>

- are potential links.
- subgroups related to MetS in MDD patients.



- variables improved the classification performance of metabolic syndrome (MetS) in MDD patients.
- These findings suggest that subgroups, defined by brain morphology and clinical features, may play a key role in understanding and managing metabolic conditions in this population.

<sup>1</sup> Department of Biomedical Sciences, Ajou University Graduate School of Medicine, Suwon, Korea <sup>2</sup> Department of Biomedical Informatics, Ajou University School of Medicine, Suwon, Korea <sup>3</sup> Office of Biostatistics, Medical Research Collaborating Center, Ajou Research Institute for Innovative Medicine, Ajou University Medical Center, Suwon, South Korea

## Fundings

• This research was funded a grant from the Korea Health Technology R&D Project through the Korea Health Industry Development Institute (KHIDI), funded by the Ministry of Health & Welfare, Republic of Korea (grant number: HR16C0001) and was supported by a Government-wide R&D Fund project for infectious disease research (GFID), Republic of Korea (grant number: HG22C0024, KH124685).

