



12th International Conference on Vascular Dementia and Neurodegenerative Diseases

June 16–17, 2026 | Barcelona, Spain

Day 1 – Tuesday, June 16, 2026

Theme: Cerebrovascular Pathology & Cognitive Decline

08:00 – 09:00 | Registration, Welcome Breakfast & Networking

09:00 – 09:20 | Opening Ceremony

- Welcome Address by Conference Chair
 - Introduction of Organizing Committee
 - Conference Overview
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09:20 – 10:15 | Keynote Session I

Topic: *Vascular Contributions to Cognitive Impairment and Dementia (VCID): From Mechanisms to Clinical Impact*

Key Areas Covered:

- Neurovascular coupling failure
 - Blood–brain barrier breakdown
 - Chronic hypoperfusion and white matter damage
 - Vascular aging and dementia risk
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10:15 – 10:35 | Refreshment Break

10:35 – 12:15 | General Session I

Session Title: *Molecular and Cellular Mechanisms in Vascular Dementia*

Expanded Topics:

- Cerebral small vessel disease mechanisms
 - Pericyte dysfunction and capillary rarefaction
 - Oxidative stress and mitochondrial dysfunction
 - Endothelial senescence and inflammation
 - Role of microRNAs and non-coding RNAs
 - Neurovascular unit integrity
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12:15 – 13:15 | Lunch Break

13:15 – 14:10 | Keynote Session II

Topic: *Neuroimaging, AI, and Big Data in Dementia Research*

Highlights:

- Multimodal MRI and PET imaging
 - Machine learning for early diagnosis
 - Digital biomarkers
 - Predictive modeling and risk stratification
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14:10 – 15:40 | Parallel Workshops

Workshop A:

Advanced Neuroimaging & Quantitative Brain Mapping

Workshop B:

Clinical Trials in Vascular Dementia: Challenges and Solutions

Workshop C:

Translational Neuroscience & Drug Development

Workshop D:

Digital Health, Wearables, and Remote Cognitive Monitoring

15:40 – 16:00 | Coffee & Refreshments

16:00 – 17:30 | Poster Presentation Session I

Extended Poster Topics:

- Stroke-related cognitive impairment
 - Silent infarcts and microbleeds
 - Cerebral amyloid angiopathy
 - Neurovascular inflammation
 - AI-assisted diagnostics
 - Experimental animal models
 - Pharmacological and non-pharmacological interventions
 - Lifestyle and prevention strategies
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17:30 – 17:45 | Day 1 Summary & Announcements

Day 2 – Wednesday, June 17, 2026

Theme: Neurodegeneration, Therapy & Future Directions

08:30 – 09:30 | Breakfast & Networking

09:30 – 10:25 | Keynote Session III

Topic: *Alzheimer's Disease, Vascular Dementia, and Mixed Pathologies*

Expanded Focus:

- Amyloid-vascular interactions
 - Tau pathology and vascular injury
 - Mixed dementia diagnosis
 - Overlapping clinical phenotypes
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10:25 – 10:45 | Refreshment Break

10:45 – 12:30 | General Session II

Session Title: *Neurodegenerative Diseases: Beyond Alzheimer's*

Expanded Topics:

- Parkinson's disease dementia

- Lewy body dementia
 - Frontotemporal dementia
 - Huntington's disease and vascular risk
 - Prion diseases and vascular involvement
 - White matter degeneration
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12:30 – 13:30 | Lunch Break

13:30 – 14:25 | Keynote Session IV

Topic: *Emerging Therapeutics and Disease-Modifying Approaches*

Highlights:

- Anti-inflammatory and immunotherapies
 - Vascular protective agents
 - Regenerative medicine and stem cells
 - Gene therapy and RNA-based treatments
 - Drug repurposing strategies
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14:25 – 15:25 | General Session III

Session Title: *Prevention, Lifestyle, and Precision Medicine*

Expanded Topics:

- Hypertension, diabetes, and metabolic syndrome
 - Nutrition, exercise, and brain health
 - Sleep disorders and cognitive decline
 - Gut-brain axis and microbiome
 - Sex- and age-specific risk factors
 - Precision and personalized medicine
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15:25 – 15:45 | Refreshments & Networking

15:45 – 16:30 | Panel Discussion

Theme: *Future Directions in Dementia Research and Clinical Care*



Discussion Points:

- Early detection and screening strategies
 - Integration of AI in clinical practice
 - Ethical issues and health equity
 - Global burden of dementia
 - Policy, public health, and caregiver support
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16:30 – 17:00 | Certificate Distribution & Awards Ceremony

- Certificates for Participants
 - Best Oral Presentation Award
 - Best Poster Award
 - Young Investigator Award
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17:00 – 17:15 | Closing Ceremony

- Conference Highlights
- Closing Remarks
- Announcement of 2027 Conference