

# AI Facial Analysis Algorithm to Screening Coronary Artery Disease in High-Risk Community Population

NCT07277686

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Status	RECRUITING
Sponsor	China National Center for Cardiovascular Diseases
Enrollment	1,392 participants

## Key Eligibility Criteria

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### Inclusion (5)

- Age  $\geq$  18 years.
- Community high-risk population, defined as individuals meeting at least one of the following criteria:
- Diagnosed with Diabetes Mellitus;
- Diagnosed with Hypertension;
- Advanced age ( $>$  65 years old).

### Exclusion (4)

- Prior confirmed diagnosis of Coronary Heart Disease (CAD), including clinically diagnosed CAD, history of Coronary Artery Bypass Grafting (CABG), or history of Percutaneous Coronary Intervention (PCI).
- History of diagnosed Heart Failure.
- Significant facial alterations or conditions that may interfere with AI image analysis, such as plastic surgery, severe facial trauma, or heavy makeup.
- Refusal to participate in the study.

## Locations (3 total)

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Zhoukou Chuanhui District Hospital of Traditional Chinese Medicine, Zhoukou, Henan, China

Zhoukou Specialized Disease Hospital, Zhoukou, Henan, China

Fuwai Hospital, Chinese Academy of Medical Sciences and Peking Union Medical College, Beijing, China