

Efficacy and Safety of Cold Atmospheric Plasma Combined With Endovascular Intervention in Patients With Diabetic Foot Ulcers and Lower Extremity Arterial Occlusion

NCT07073040

Status	RECRUITING
Phase	Not Applicable
Sponsor	Shenyang Medical College
Enrollment	86 participants

Key Eligibility Criteria

Inclusion (4)

- Aged 18-80 years, with a diagnosis of type 1 or type 2 diabetes and diabetic foot ulcer; glycated hemoglobin (HbA1c) \leq 10%.
- Presence of at least one chronic foot ulcer persisting for at least three weeks, with no signs of healing after standard-of-care treatment based on current clinical guidelines. The ulcer must be classified as Wagner-Armstrong grade 1D or 2D (Wagner: superficial ulcer [grade 1] or ulcer extending to tendon [grade 2]; Armstrong: presence of both ischaemia and infection [stage D]).
- Documented infrapopliteal arterial stenosis or occlusion by vascular ultrasound and/or CT angiography (CTA), meeting indications for revascularization. All enrolled patients must have received successful infrapopliteal balloon angioplasty, with intraoperative angiography confirming target artery patency.
- Provision of written informed consent.

Exclusion (7)

- Concurrent treatment of the wound with local vacuum therapy or maggot therapy.
 - Undergoing dialysis.
 - Use of local active antibiotics.
 - Treatment with platelet-rich fibrin.
 - Women of childbearing potential without effective contraception, or women who are actively breastfeeding.
- ... and 2 more (see full listing online)

Locations (1 total)

Ansteel General Hospital, Anshan, Liaoning, China