

Creation and Accreditation Process of a Vascular Access Team (VAT): An Institutional Nursing-Led Experience

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Introduction

Vascular Access Management

- Key to patient safety and healthcare quality

Role of Vascular Access Teams (VATs)

- Optimize clinical outcomes
- Standardize vascular access care
- Implement evidence-based practices
- Support professional development

Objective

- To describe the creation and implementation of a nurse-led VAT
- To certificate the Accreditation process (SEINAV V2) with leadership and Quality team support

Key Aspects Analyzed

- Implementation challenges
- Strategic actions
- Clinical and organizational outcomes

Methods

- Descriptive analysis of VAT implementation

Key Components

- Nurse-led organizational model
- Standardized protocols
- Quality indicators
- Advanced training in vascular access
- SEINAV V2 Accreditation preparation

Key Messages

- Nursing leadership is essential for VAT development
- Quality-driven processes improve patient safety
- Accreditation promotes standardized, evidence-based care

“The Accreditation process itself adds value by improving quality, standardization, and patient care — even before certification.”

Results

Clinical Outcomes

- Improved device appropriateness
- Increased ultrasound-guided techniques
- Reduced complications

Organizational Outcomes

- Improved documentation and traceability
- Greater adherence to evidence-based practice
- Culture of continuous improvement

Professional Impact

- Increased nursing autonomy
- Higher professional satisfaction
- Enhanced interdisciplinary collaboration
- Leadership and Quality team support enabled successful implementation

Conclusions

- Nurse-led VAT is a feasible, high-impact strategy
- Improves patient safety and standardizes care
- Strengthens advanced nursing roles
- Accreditation supports quality and transferability



Patient satisfaction score

