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Clinical Activity of the Infusion and Vascular Access Team at the HOSPITAL COMARCAL DE INCA: 2025 Experience

Servei de Salut
Hospital Comarcal d'Inca

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INTRODUCTION

Vascular Access Teams (VAT) play a fundamental role in patient safety by optimizing device selection, the systematic use of ultrasound and for patient vessel health preservation. At our regional hospital is composed of two nurses specialized in infusion therapy and vascular access. The team works Monday to Friday from 8:00 a.m. to 3:00 p.m.

METHODS

A retrospective descriptive study was conducted using data from the VAT annual registry. All procedures performed in 2025 were analyzed, including device insertion of short peripheral catheters, long peripheral catheters, midlines and PICCs. Another recorded activity: blood sampling, consultancy, difficult intravenous access patient identification (DIVA), complication assessment and PICC-Port clinical care (PICC-Port related procedures). Services were categorized by type of procedure.

RESULTS

2905 procedures

Vascular Access Device insertions

535	484	210	19
short peripheral catheters	long peripheral catheters	midlines	extremely difficult PICC insertions

Blood collection: 998

Consulting and advisory services
145 referrals to resolve doubts for other professionals

PICC-PORT
160 referrals for PICC PORT: evaluation, care, insertion and removal

DIVA patients identified: 315
Proactive identification of patients with difficult venous access (DIVA) to reduce failed attempts

Safety and clinical efficiency
39 assessments of complications to minimize adverse events and optimize resources

24/7 Coverage strategy
295 PICCs were inserted by ICU nurses as a coverage strategy

CONCLUSIONS

The Vascular Access Team played a key role in vascular access management, delivering high-volume specialized interventions aligned with international standards. The significant number of procedures focused on preserving vessel health and ensuring appropriate device selection consolidates the VAT as a strategic pillar in patient care. Strengthening these teams is essential to enhance patient safety, reduce complications, and optimize resource utilization.

Vessel health preservation
Systematic use of ultrasound to optimize the insertion of vascular access devices.

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Data extracted from the POWER BI database

WoCoVA
World Congress Vascular Access