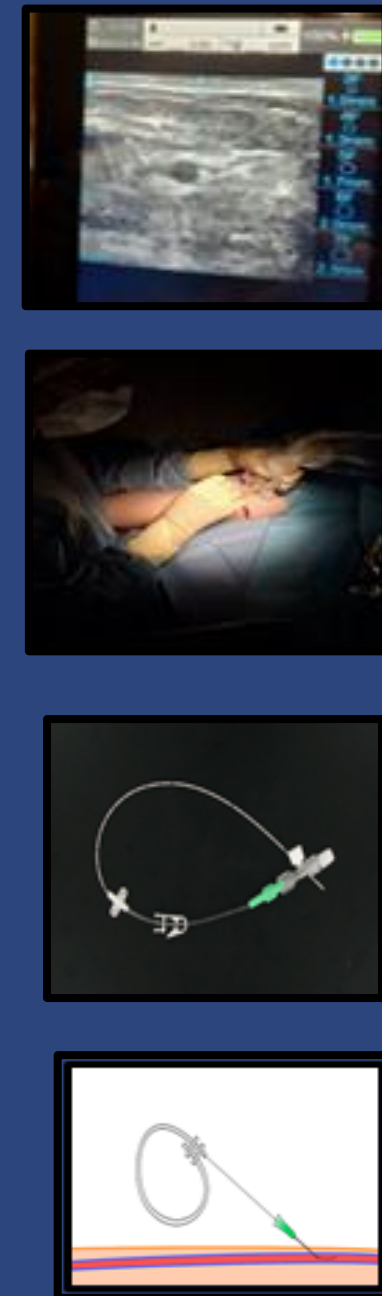


Ecoguided short midline catheters as a solution for patients with venous heritage problems

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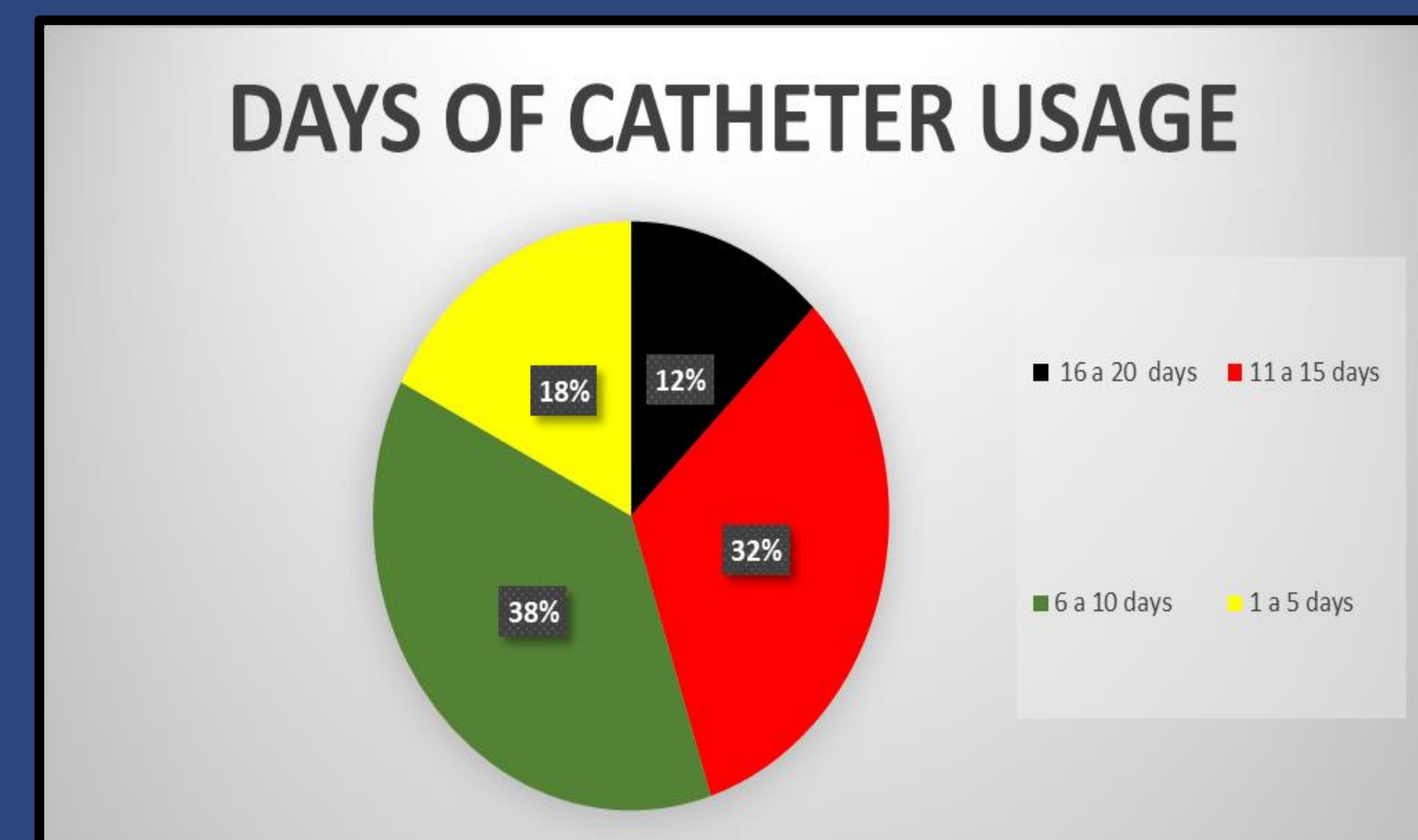
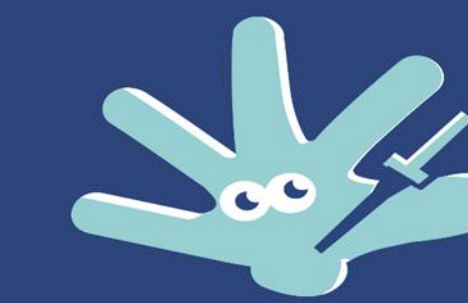
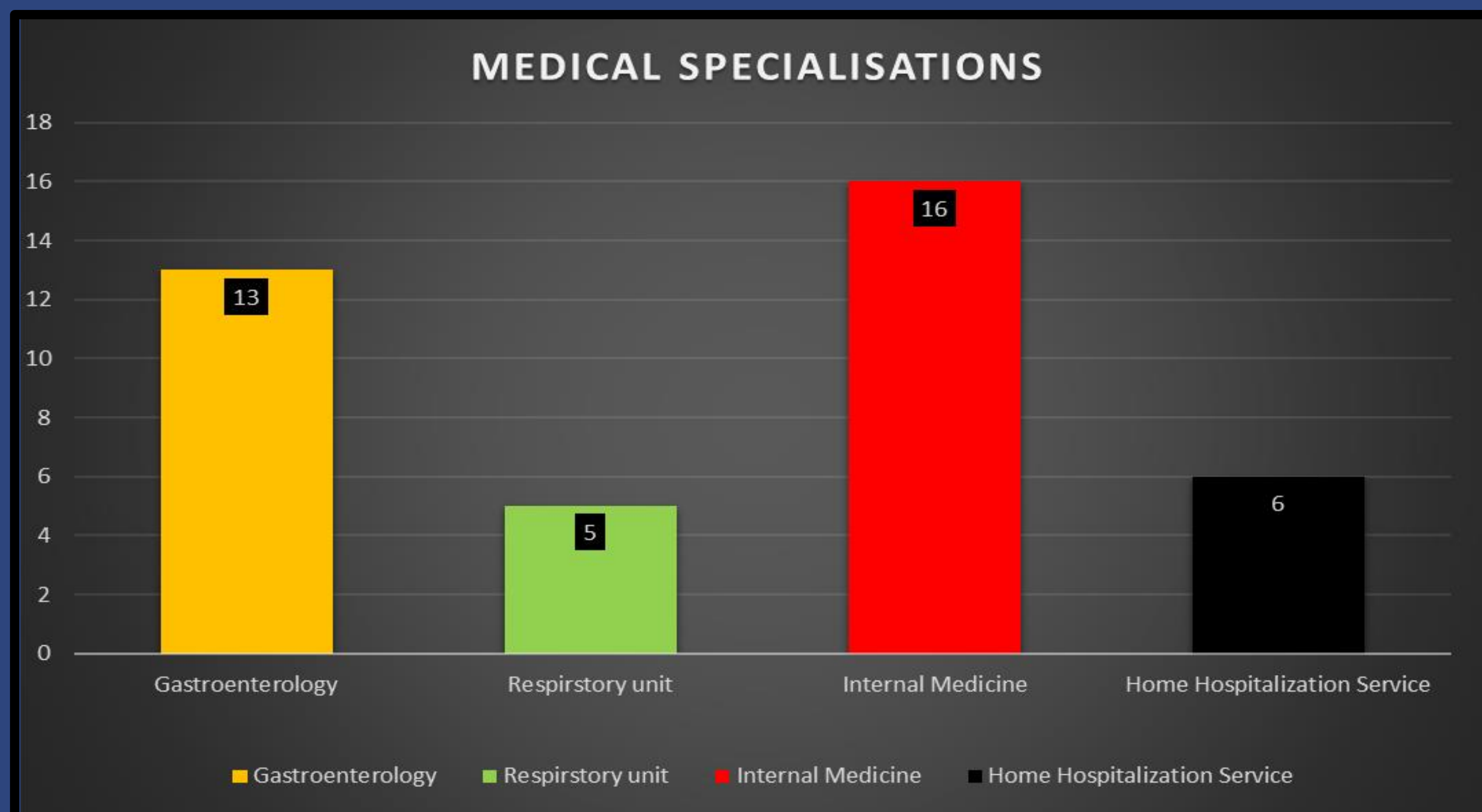
Introduction

Current clinical practice is characterized by the importance of patient care quality and safety and the need to reduce the costs of treatments. In intravenous therapy, we must look for alternatives that meet the patient's needs, reduce complications associated with the use of venous catheters, especially in patients with venous heritage problems.



Results

Success rate at first insertion attempt was 98% of short Midline catheters, fulfilling their function during the time they were needed. The dwell time was between 4 weeks and 3 days depending on the cases and needs, and a 98% patient satisfaction level with the technique



Method

Descriptive analysis, based on the information taken from the GABEN database of 45 patients of the Hospital Arnau de Vilanova from 2016 to 2019 who required peripheral venous access for IV therapy and who had difficulty insertion due to having veins surface difficult to palpate and/or visualize. A short 11cm Midline catheter was used with a Seldinger ultrasound technique, introducing 10cm into a basilic vein leaving the tip in an axillary vein and leaving 1cm of external length, and one 4Fr lumen. Patients were asked for the level of satisfaction of the insertion of the placed catheter. Variables as success rate at first attempt, dwell time of catheter and level of patient satisfaction with the technique are described. Patients with morbid obesity and children under 16 have been excluded.

