

# Venous accesses used in the administration of antineoplastic therapy in an oncology day hospital

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## Introduction

Antineoplastic chemotherapy via intravenous infusion is one of the most common therapeutic modalities in cancer patients. The vast majority of antineoplastic agents have an osmolarity of >900 mOsm/l, thus its administration must be done through central venous lines. However, on many cases, the cannulation of central lines is limited to patients with difficulty in peripheral venous approach or with long-term treatments.

## Objective

To describe the venous accesses used at Hospital Universitario de la Ribera (UHRL) for the administration of antineoplastic drugs, to assess their suitability and to determine if the type of venous accesses used varied during the COVID-19 pandemic.

## Methodology

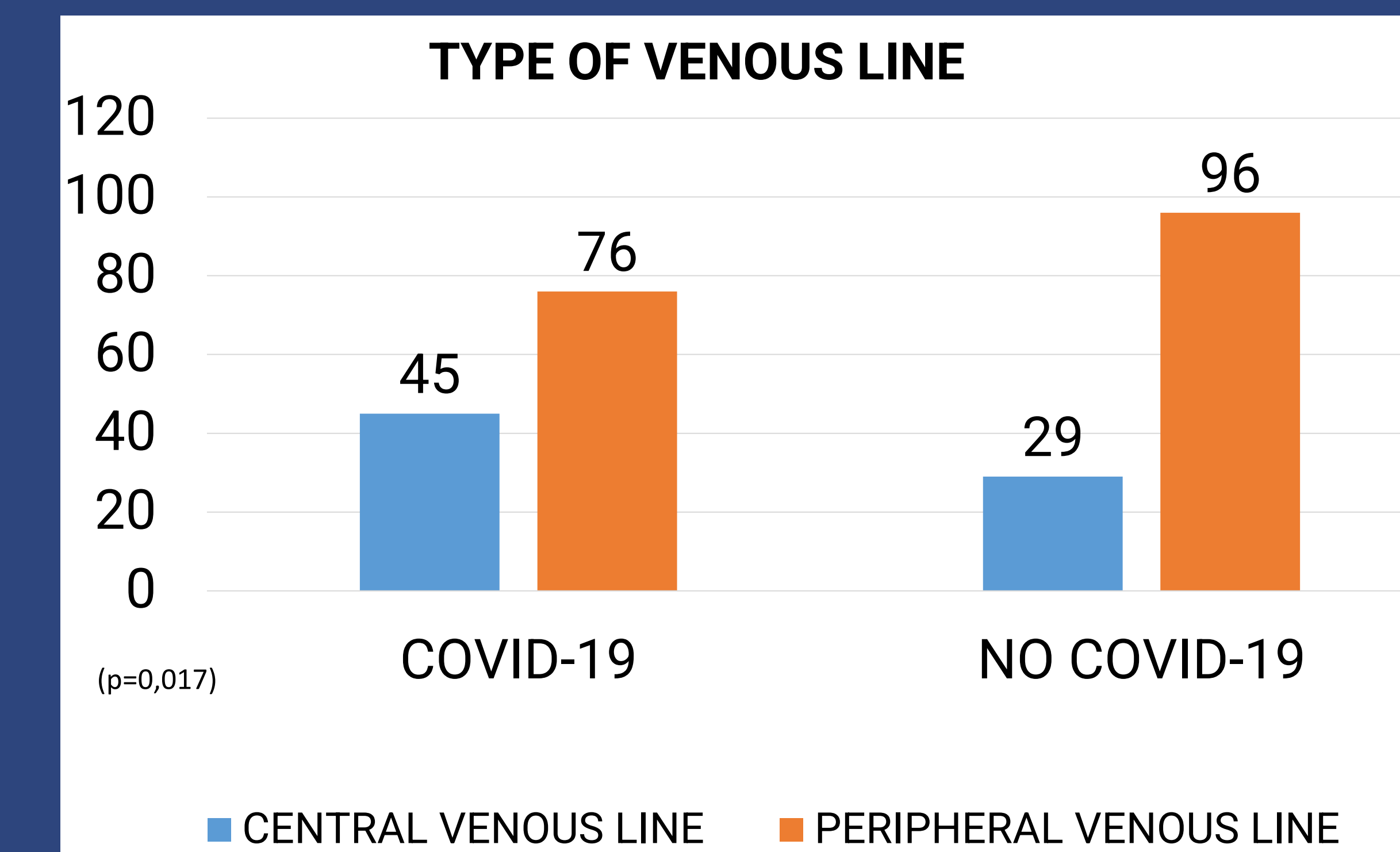
A quantitative, observational and analytical cross-sectional study of the venous accesses used in the administration of antineoplastic therapy in an oncology day hospital was carried out.

Data collection was carried out through direct observation and consultation of the medical records.

The pre-pandemic sample was collected from 20/1/2020 to 21/1/2020 (n=125) and the pandemic sample was collected from 8/2/2021 to 12/2/21 (n=121).

## Results

|                       |                |
|-----------------------|----------------|
| Male                  | 154 (62,6%)    |
| Female                | 92(37,4%)      |
| Age                   | 64,73 +/- 11,9 |
| Chemotherapy          | 188 (76,4%)    |
| Immunotherapy         | 58 (23,6%)     |
| Medium-term treatment | 184 (74,8%)    |



## Conclusion

The short peripheral venous catheter was the most used device in the administration of chemotherapy in the oncology day hospital of UHRL, even with the administration of drugs with high tissue aggression and establishing a medium-term treatment, being this an improvement in the area of care of cancer patients. During the pandemic, the use of central lines increased in the administration of antineoplastic treatments on an outpatient basis.

