

The impact of independent Vascular Access Team

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• Introduction

A vascular access team can be established at hospital within an existing department of a healthcare facility or it can exist completely independently providing its services to other clinics and departments. The aim of our communication is to evaluate if creating an independent vascular access team is beneficial.

• Method

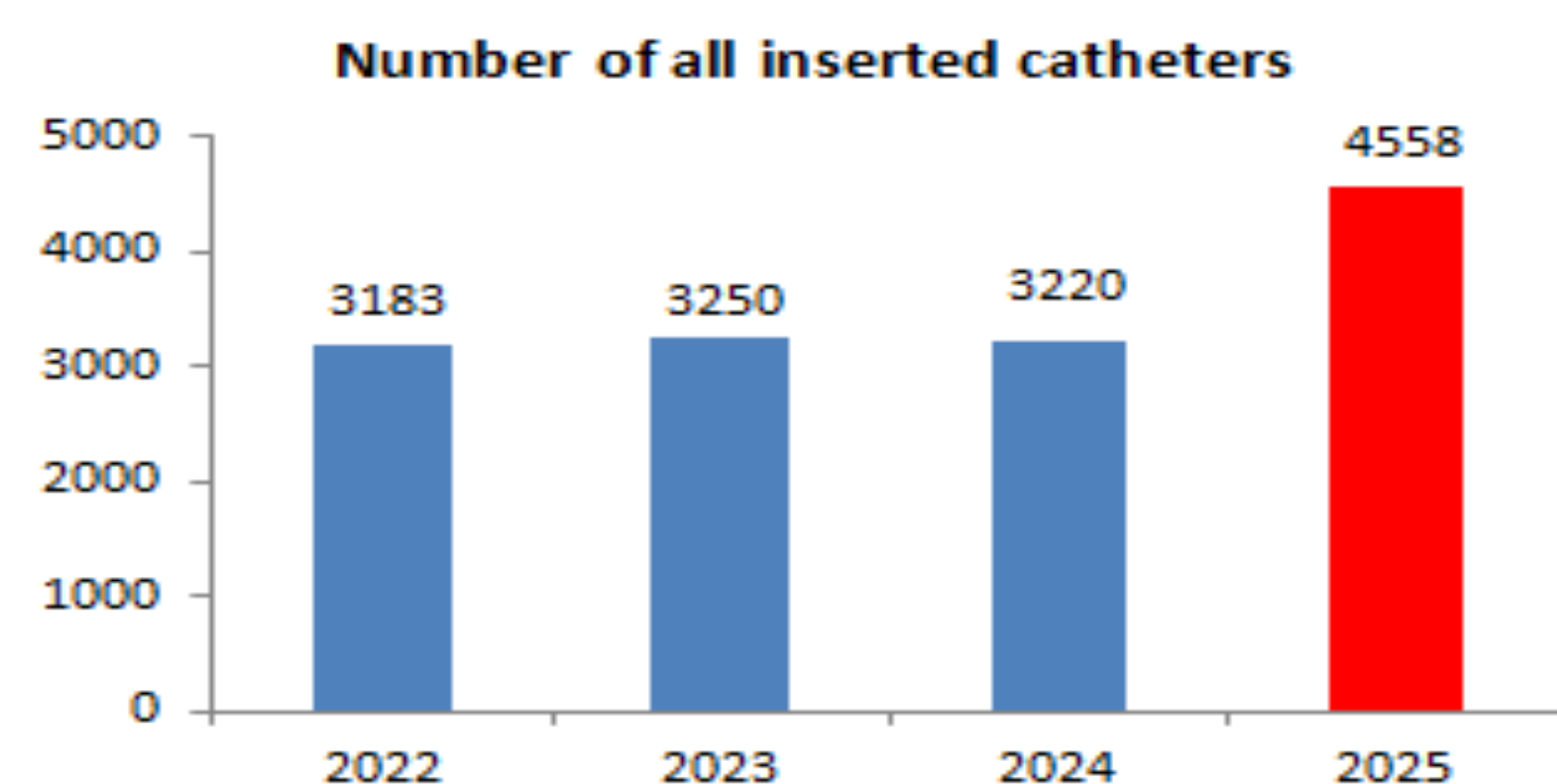
The frequency of vascular devices inserted in a tertiary hospital was compared in 2022-2024, when the vascular access team worked within the internal clinic, and in 2025, when it began to operate as an independent team, directly accountable to the hospital management

• Results

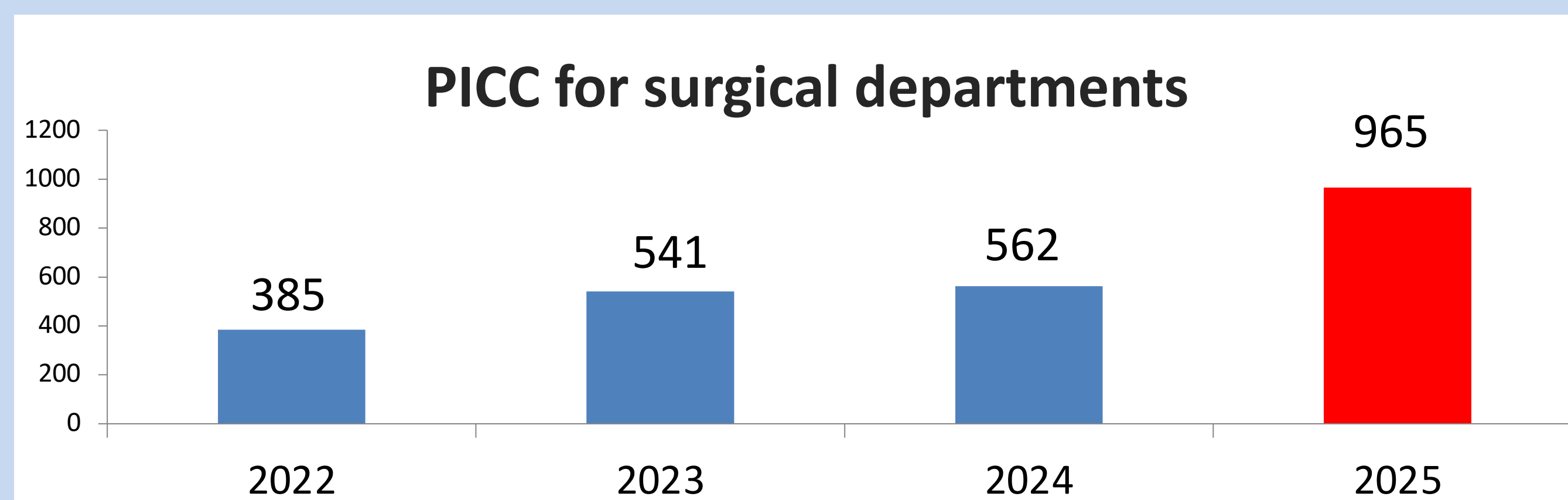
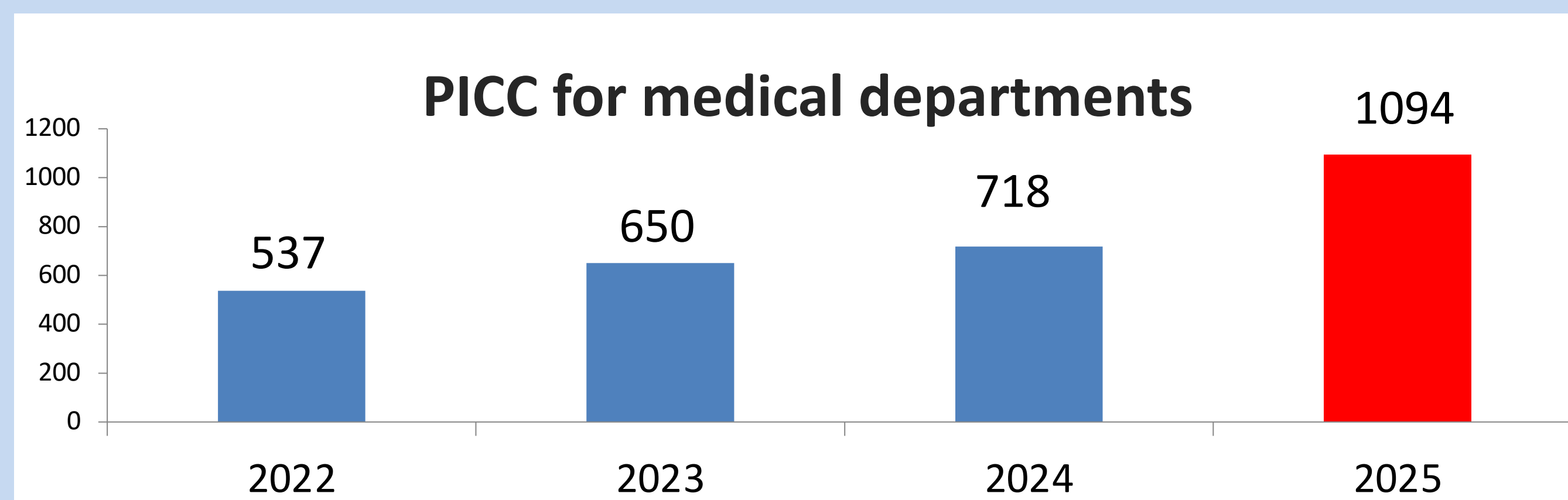
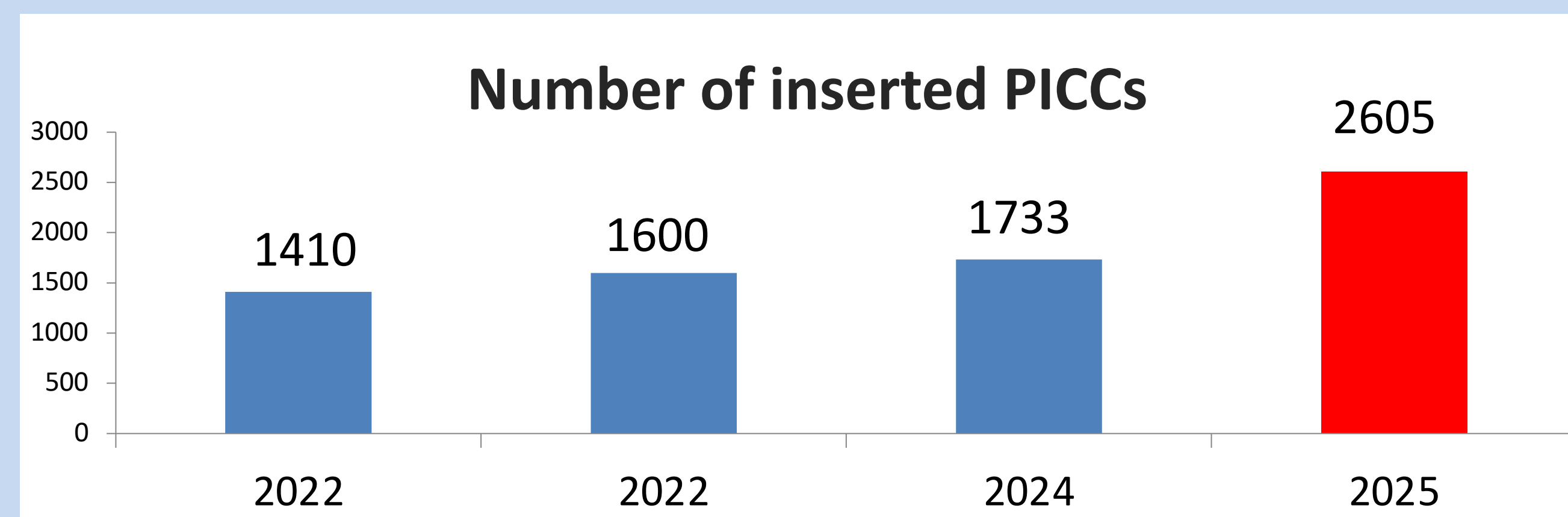
Changes after the creation of an independent center:

1. personel and material optimization,
2. availability of vascular access team for 12 hours daily including weekend,
3. improved cooperation with clinical departments

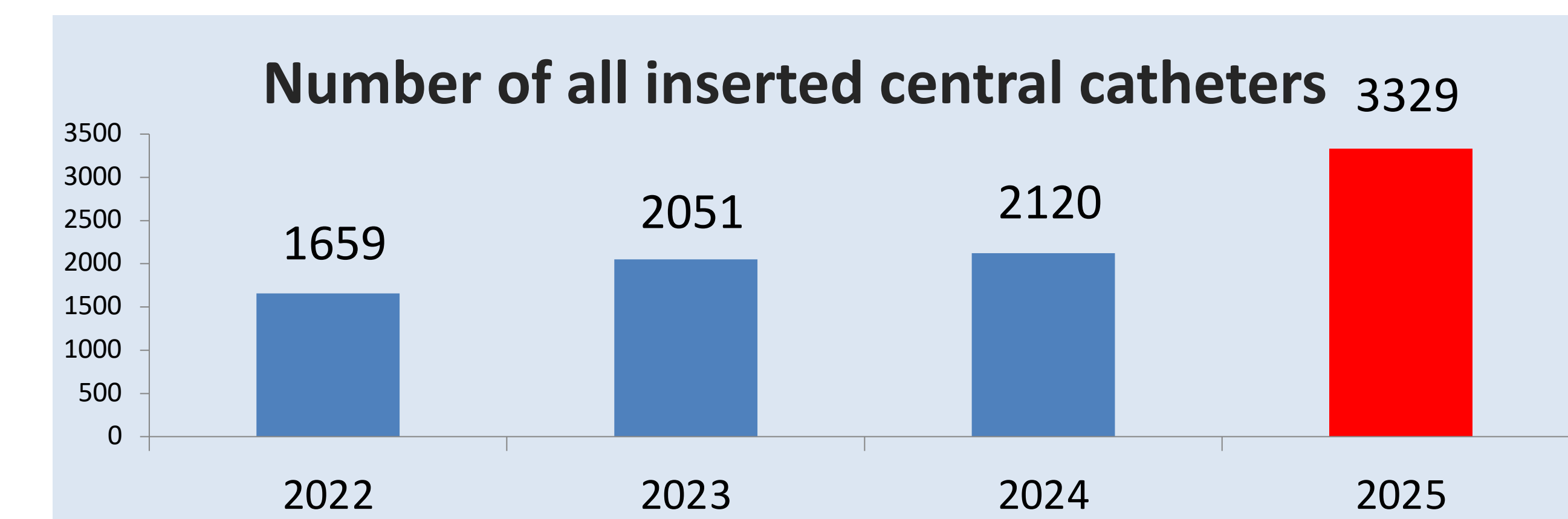
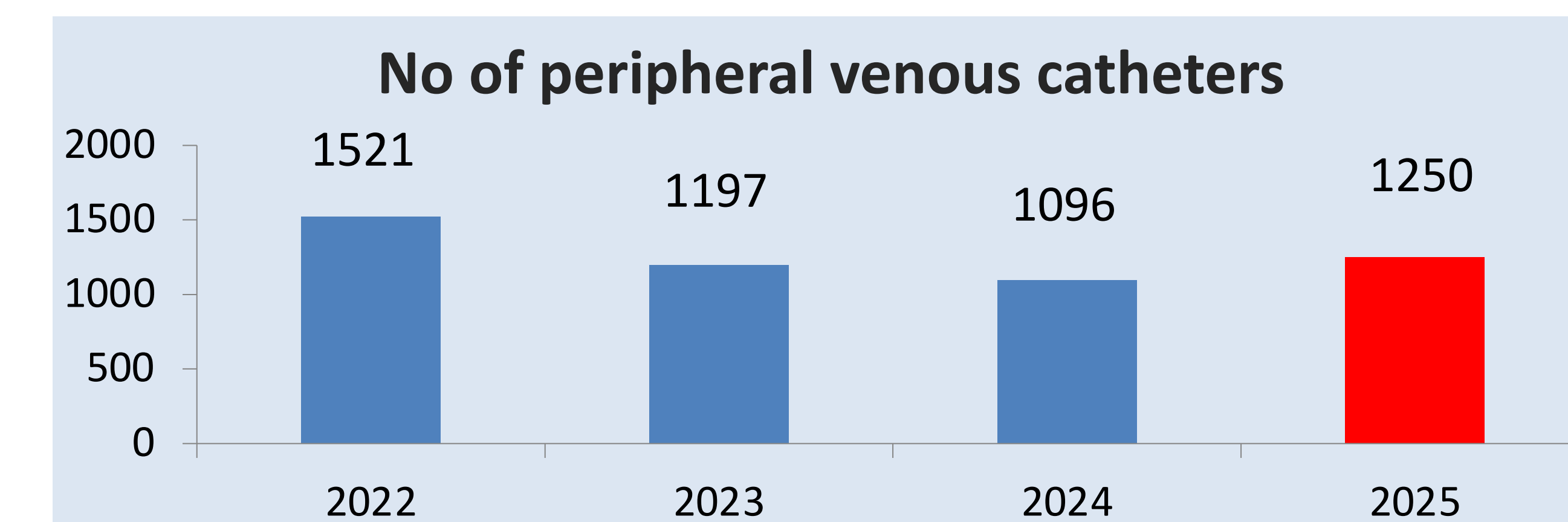
There was a 40% increase in all vascular devices implanted in 2025 compared to 2022 to 2024, as shown in the following graph.



In 2025, there was a 50% increase in the number of PICCs inserted in comparison to 2024, and in surgical departments even a 70% increase, as shown in the following graphs:



Between 2022 and 2023, there was an increase in the number of central venous devices and a decrease in peripheral venous devices, which was related to education about the indications for venous devices. In 2025, there was an almost 60% increase in the introduction of central venous devices compared to 2023 and 2024, while the increase in peripheral devices was not significant.



• Conclusion

Establishment of an independent vascular team has Improved communication with other medical and surgical departments, leading to increased numbers of central vascular devices indications especially of PICCs.

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