

Immunoglobulin shortage : Practice modifications and clinical outcomes in a reference centre

Background and importance

An enlargement in the number of indications of intravenous immunoglobulins (IVIg) in recent years has resulted in an increase in the consumption of these products. A lack of raw material has led to IVIg shortage. (1)

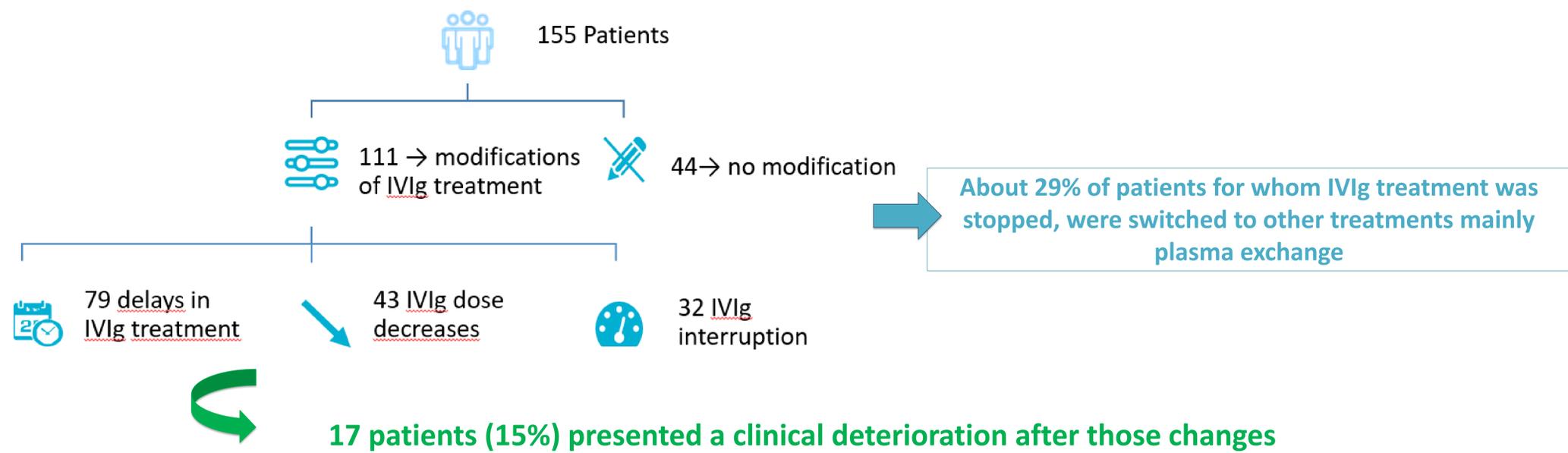
Aim and objectives

The objective of this work was to evaluate the impact of this situation on patient management in one French university centre considering practice modifications and clinical outcomes..

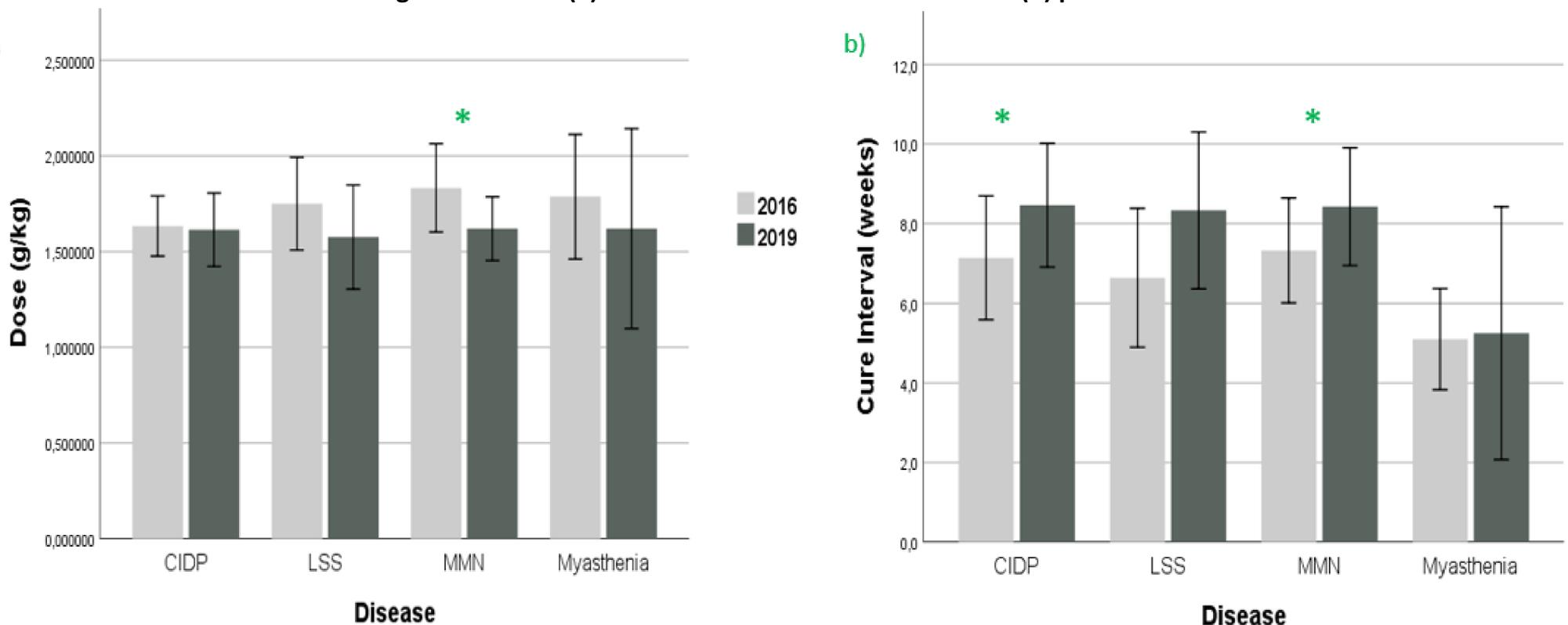
Material and methods

All patients treated with IVIg for chronic inflammatory demyelinating polyneuropathy, multifocal motor neuropathy and myasthenia Gravis were included from October 2017 to October 2018. The analysis of practices was carried out between 2016 and 2019.

Results



Evolution of median immunoglobulin doses (a) and median interval between doses (b) per indication between 2016 and 2019



CIDP: Chronic Inflammatory Demyelinating Polyneuropathy
LSS: Lewis and Sumner Syndrome
MMN: Multifocal MotorNneuropathy

Conclusion and relevance

Our study showed a rather important number of IVIg prescriptions changes related to IVIG shortage during considered period. These changes had a negative impact on the clinical status of some patients. The interest of this study is essential because of the fragility of the post coronavirus disease period related to a lack of plasma from which blood products derive.