



HOSPITAL AND EVALUATION OF ITS ECONOMIC IMPACT M.E. Cárdaba García¹, A. de Frutos Soto¹, J. Varela González-Aller¹, S. Fernández Peña¹.

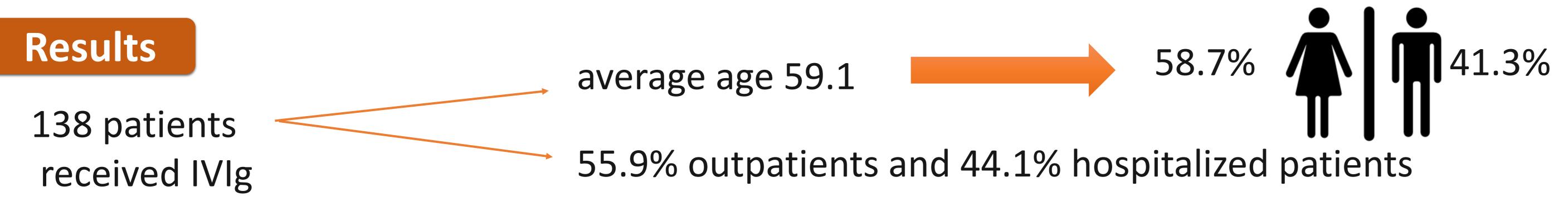
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Objective

- To disclose the use of IVIg in hospitalized patients and outpatients in a tertiary hospital:
- 1) Adequacy of use to label indications.
- 2) Economic impact on the conditions used (label and off-label indications).

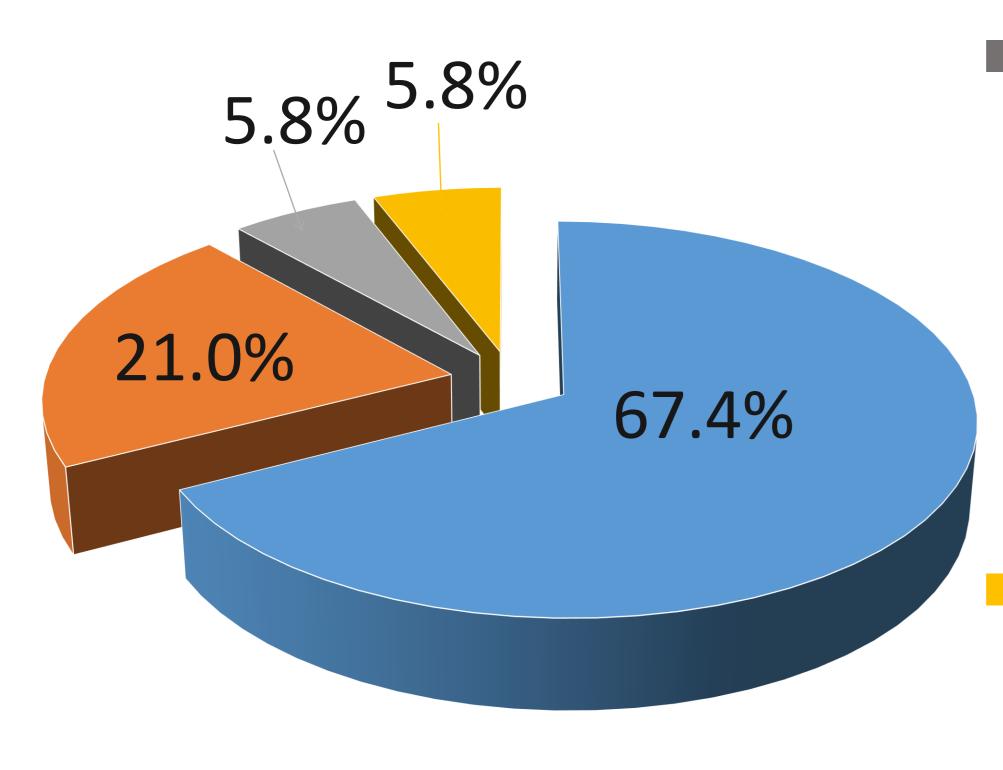
Material and methods

- Retrospective study (January-2014 to December-2014).
 Collected data, from Farmatools[®] software and medical records: sex, age, IVIg indication, dose and number of administrations to each patient, and treatment costs.
- Descriptive analysis of IVIg use per patient and indication and associated cost.



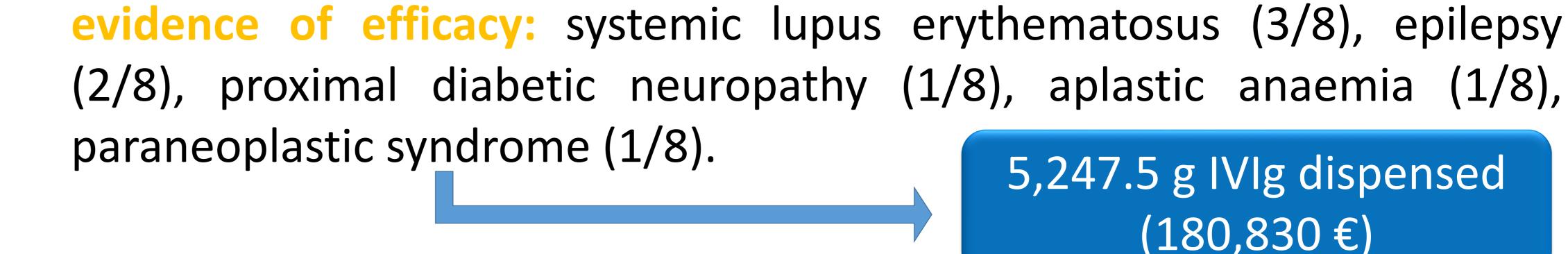
- Label indications: common variable immunodeficiency (55/93), IgG-immunodeficiency (13/93), idiopathic thrombocytopenic purpura (12/93), Guillain-Barré syndrome (6/93), Kawasaki disease (3/93), secondary-immunodeficiency (2/93), hyperIgM-immunodeficiency (1/93), unspecified hypogammaglobulinemia (1/93).
- Off-label indications supported by clinical evidence: myasthenia gravis (7/29), multifocal motor

neuropathy (6/29), non-specific demyelinating neuropathy (4/29), chronic inflammatory demyelinating polyradiculoneuropathy (3/29), inclusion body myositis (3/29), autoimmune hemolytic anemia (2/29), polymyositis (1/29), dermatomyositis (1/29), Rassmusen syndrome (1/29), alloimmune thrombocytopenia (1/29). 16,632.5 g IVIg dispensed (591,596 €)



Off-label indications not sufficiently supported by clinical evidence: Immune-mediated disorders with limited evidence of immunoglobulin efficacy: systemic vasculitits (2/8), scleroderma (2/8), polyarteritis nodosa (2/8), microscopic polyarteritis (1/8), acute disseminated encephalomyelitis (1/8).
7,287.5 g IVIg dispensed (241,225 €)

Off-label indications not sufficiently supported by clinical evidence:Presumed immune-mediated disorders with little or no





-Despite the fact that most of the dispensed IVIg were used either for label or for off-label supported by clinical evidence indications, uses with unproven clinical benefit, means an important expense in our hospital. -Due to the frequent off-label use of IVIg, implementing a protocol would be useful to adjust IVIg treatments to the guidelines recommendations and to optimize its use.

No conflict of interest

