



CP-204

DIFFERENT THERAPEUTIC ALTERNATIVES FOR MULTIPLE SCLEROSIS TREATMENT

OBSERVATIONAL STUDY ON THE USE OF THE

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Background

Multiple sclerosis (MS) is a chronic demyelinating CNS disease. The recent commercialization of new drugs for its treatment can change the prescribers and patients' treatment preferences.

Obiectives

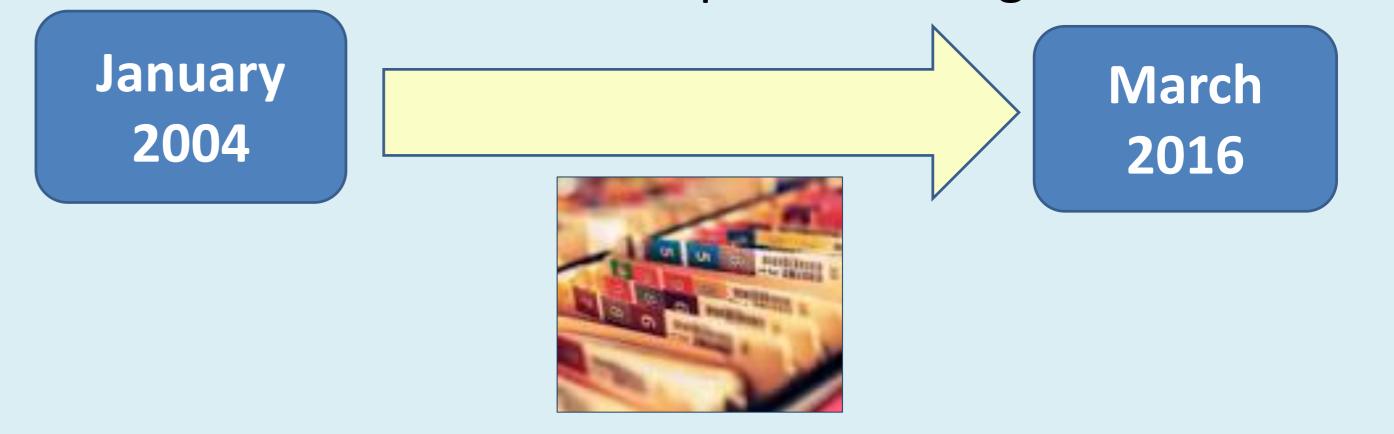
Methods and study design

Retrospective observational study including all the treated MS patients (January 2004-March 2016). The data was obtained from their medical records and the dispensation register.

To determinate the most prescribed drugs at the beginning of the sisease

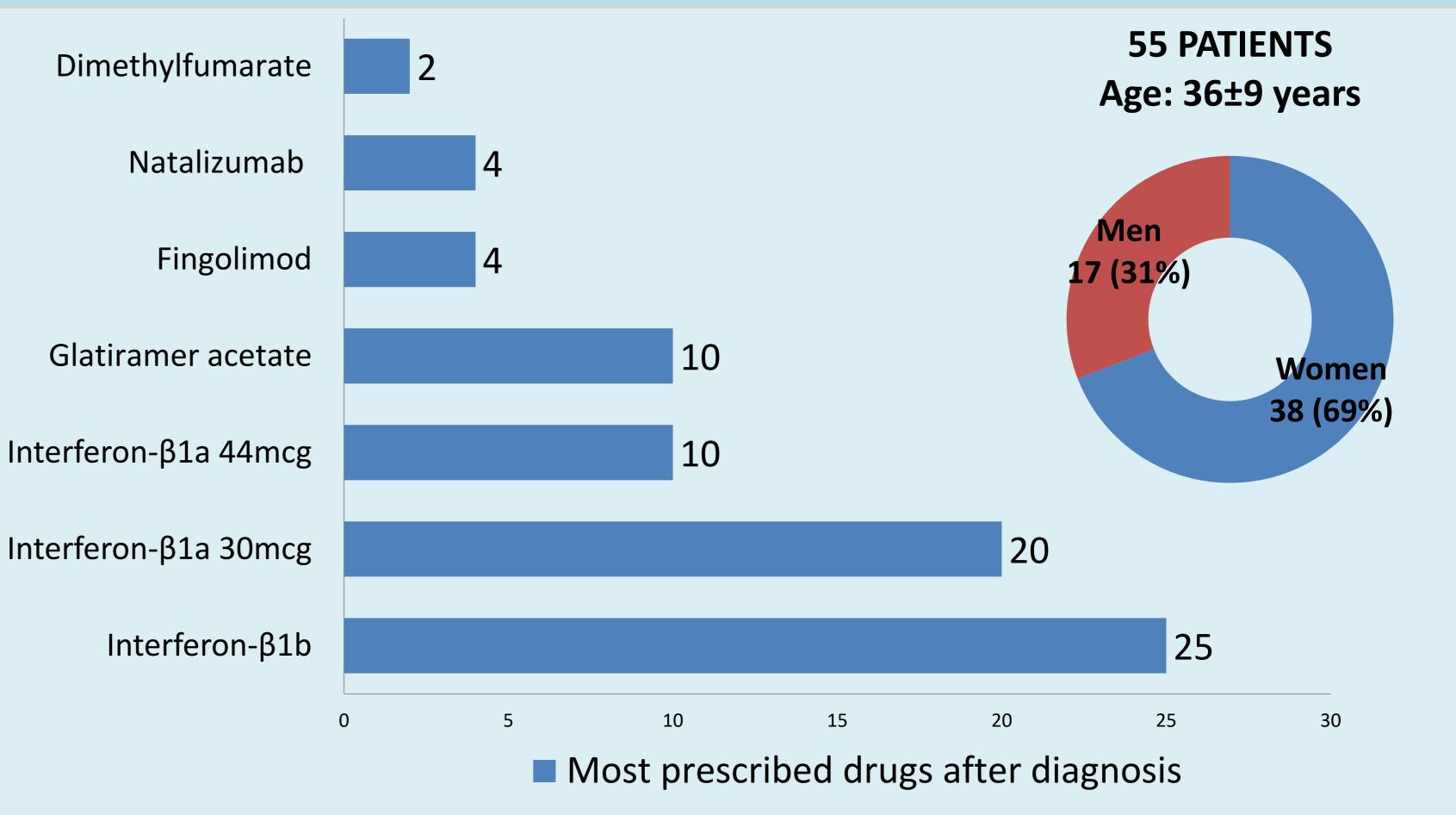
To observe if the emergence of new drugs for MS (Dimethylfumarate, Alemtuzumab, Pegylated interferon and Teriflunomide has changed the prescription tendency

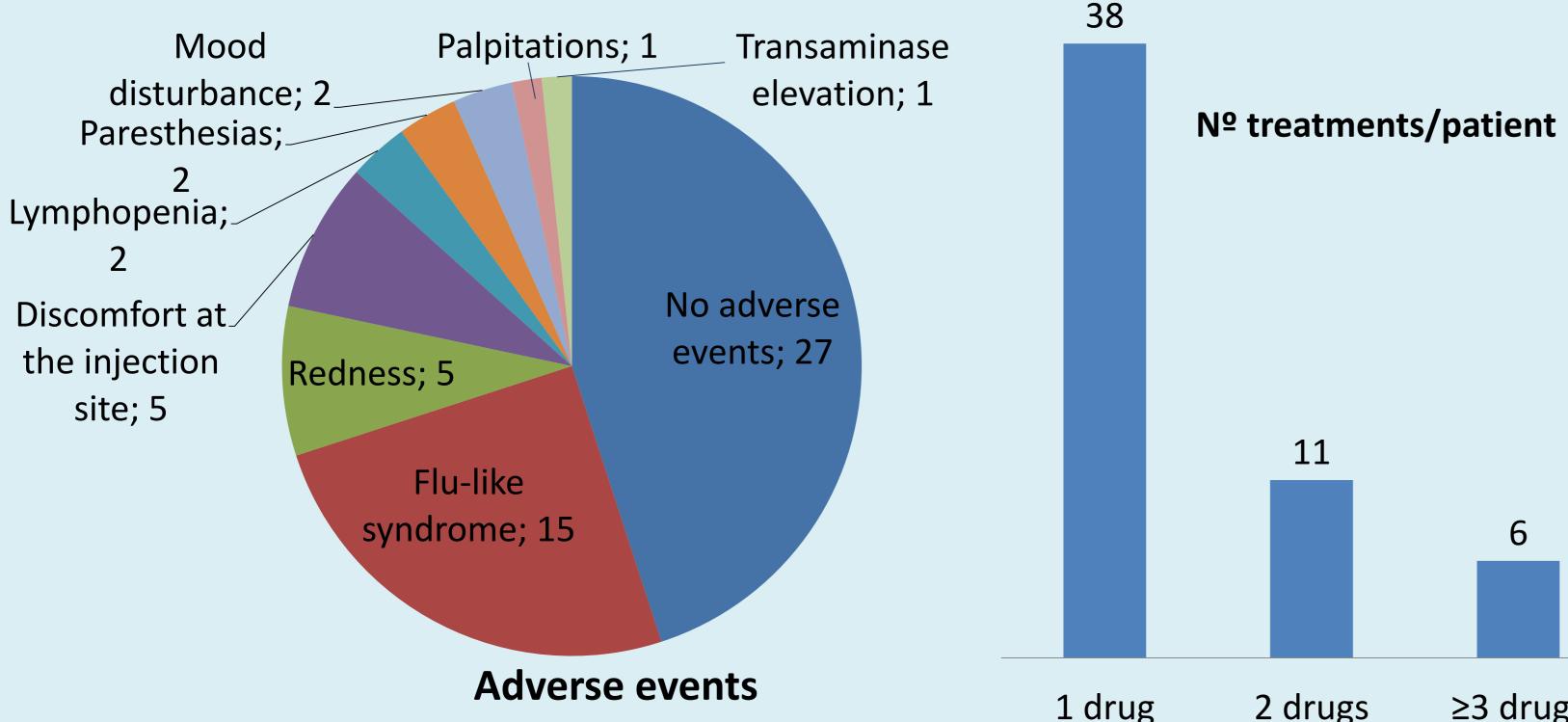
To quantify the outbreaks/year, the discontinuations and the adverse events



Results

55 patients were included: 69% women. Their average age was 36±9years. The most prescribed drugs after the diagnosis were: Interferon-Interferon-β1a 30mcg(20%), β1b(25%), Interferon- β 1a 44mcg(18%), Glatiramer acetate (GA)(18%), Natalizumab(7%), Fingolimod(7%) and Dimethylfumarate(5%). From those, there were 8 prescriptions after the commercialization of the new MS drugs: 3 Dimethylfumarate, 2 Interferon-β1a 44mcg, 1 GA, 1 Fingolimod and 1 Natalizumab. With those initial treatments, 27(49%) patients did not have outbreaks, 17(31%) had 1 outbreak/year, 8(15%) had 2 outbreaks/year and 3(6%) had 3 outbreaks/year.





69% of the patients were treated with 1 drug, 20% with 2 different drugs and 11% were treated with ≥3 drugs. The reasons for the change were: disease progression (52%), adverse events (47%) and patient's decision (1%). 27 patients did not present adverse events, 15 had flu-like

syndrome, 5 redness, 5 discomfort at the injection site, 2 lymphopenia, 2 paresthesias, 2 mood disturbance, 1 transaminase elevation and 1 palpitations.





- ✓ MS affects young adults, especially women.
- Interferon and GA are the most common initial treatments but with the apparition of new MS drugs, the use of Dimethylfumarate increased.
- Vew MS drugs are mostly used as a second line treatments but Natalizumab is still the most used when there is no response to initial treatment.
- ✓ An 85% of the patients tolerated the treatment and no medication change was necessary.
- ✓ This drugs demonstrated to be effectives because 69% of the patients needed one treatment line to control their illness.

No conflict of interest