

Electronic Auto-injection device for β -interferon administration in Multiple Sclerosis Patients: A new tool to improve adherence CP-144

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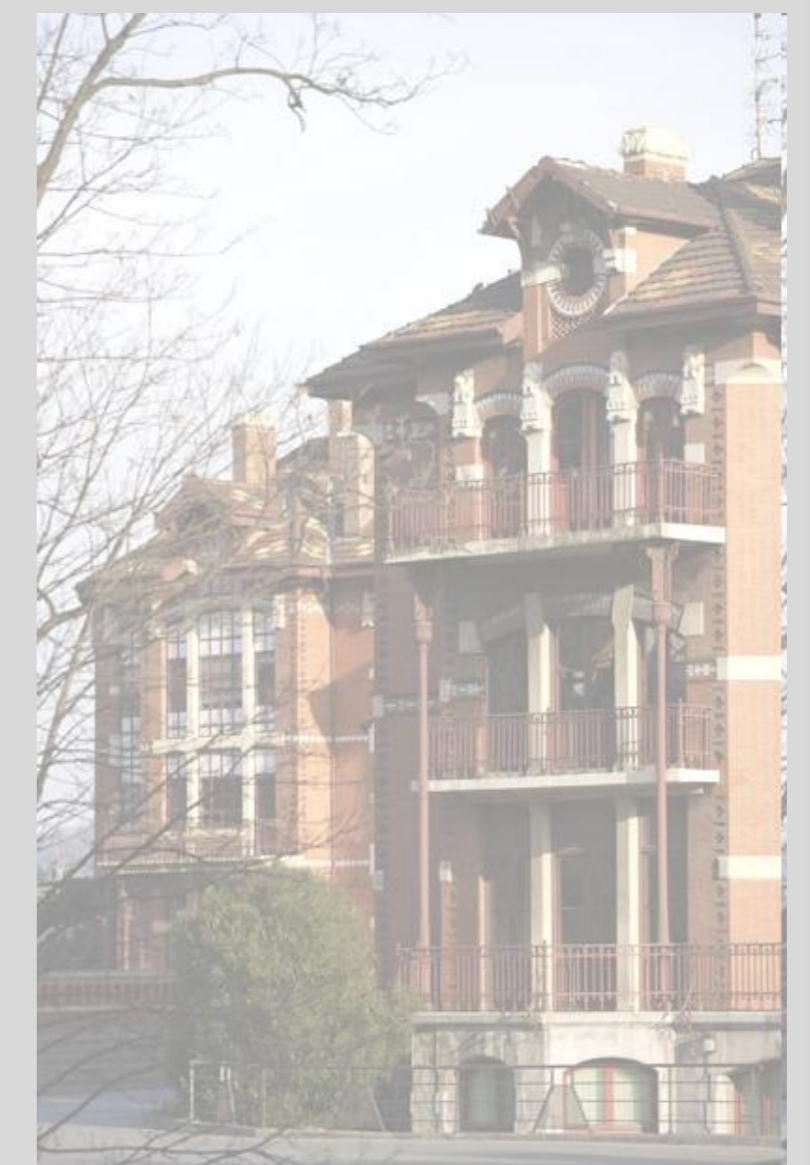
Purpose:

To find out the relationship between the indirectly-calculated adherence from Pharmacy Service, with the real one measured by a self-injection device

Material and Methods:

31 patients on current treatment with Rebif®

- Personal interview
- Indirect adherence: Units dispensed/Units needed x 100
- Sex, age, time on needed x 100
- Direct adherence obtained from device's lecture



Results:

Indirect and Direct adherence values were compared using Student's t test for paired samples, obtaining a *intraclass correlation coefficient* of **0,75**
A very low adherence case was detected

Discussion and conclusion:

- **Indirect method is suitable** to estimate adherence in our patients cohort.
- New administration device may offer pharmacist a **new and useful tool to work on improving adherence** in those patients who show treatment adherence problems