

A PERSON-CENTERED INTEGRATED CARE PROGRAM FOR MULTIPLE SCLEROSIS PATIENTS TREATED BY FINGOLIMOD: FIRST PATIENTS' REPORTED OUTCOMES

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Background and Objective

Fingolimod is an oral therapy approved in Switzerland (in 2011) as first-line treatment in relapsing-remitting multiple sclerosis (MS). According to current recommendations, the community Pharmacy of the *Policlinique Médicale Universitaire* (Pharmacy-PMU, Lausanne, Switzerland) developed a person-centered integrated care program to optimise safety and effectiveness of *fingolimod* in MS outpatients. This pharmacist-led intervention combines motivational interviews, adherence monitoring and Risk Evaluation and Mitigation Strategies (REMS) [1]. The objective was to describe the first patients' reported outcomes of the program.

Methods

Data of patients, followed by the Pharmacy of the PMU, was collected during one year (October 2013 to October 2014) using the secured web-platform (SISPha SA). This data was derived from (i) patients' interviews (inclusion and follow-up) and (ii) electronic pillboxes.

Results

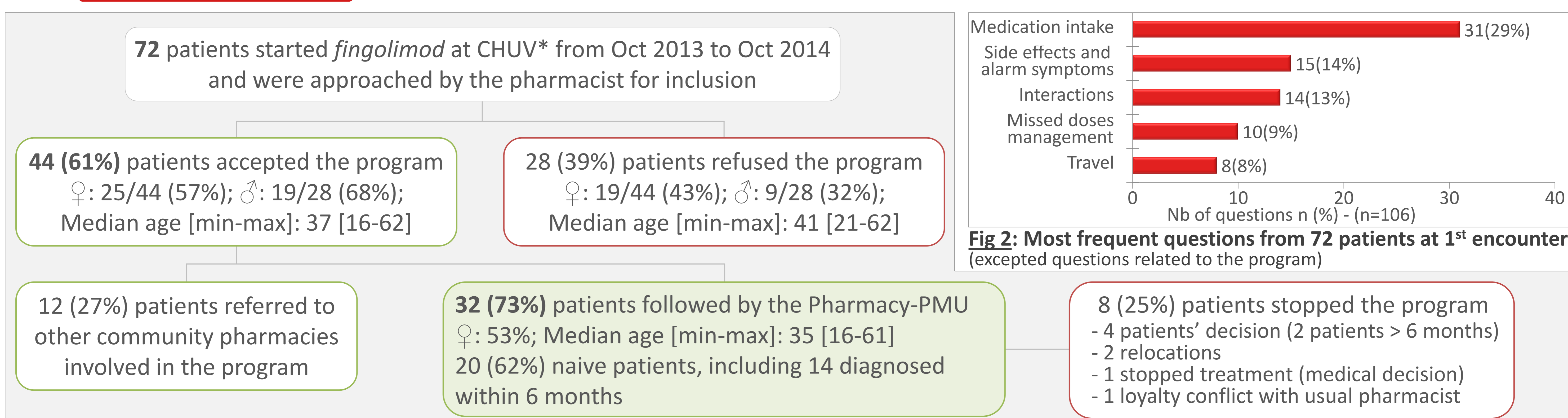


Fig 1: Inclusion's program flow-chart

* CHUV: Centre Hospitalier Universitaire Vaudois

The following results are based on the 32 patients of the Pharmacy-PMU (mean follow-up: 180 days/patient; total >5500 days) :

Table 1: Most frequently reported facilitators and barriers of medication intake

FACILITATORS (%**)	BARRIERS (%**)
Treatment factors	
• Nb of pill(s)/day (91%)	• Schedule of medication intake (19%)
• Schedule of medication intake (88%)	• Inappropriate tools to support adherence (13%)
• Nb of intake(s)/day (81%)	• No association with a ritual (e.g. meal) (9%)
Psycho-cognitive factors	
• Understanding of the treatment (94%)	• No goals in the treatment (38%)
• Acceptance of the disease (78%)	• Bad memory performance (16%)
• No anxiety (75%)	• Lack of motivation (13%)
Socio-economic factors	
• Social support (69%)	• Lifestyle (38%)
• Lifestyle (e.g. stable employment) (56%)	• Lack of social support (9%)
• Education (31%)	• Financial context/health insurance (9%)

** Facilitators or barriers reported for n % of patients during at least one interview

Main medication adherence data:

- Persistence: 97% (31/32 patients), 1 treatment stopped due to intolerance
- 15 (47%) patients reported omission(s) (fig. 3); only one voluntary omission reported
- Average pill count adherence: 99% [95-100%]
- Average electronic adherence: 97% [87-100%]

Conclusions

These first patients' reported outcomes observed 12 months after the integrated care program started, highlight the patients' needs and bring new data about safety and use in real-life of *fingolimod*. Further in-depth adherence and effectiveness analysis, including patients followed by other community pharmacies involved in the program, will be conducted.



Reference :

[1] Bourdin A, Berger J, Schlupe M, Bugnon O. Development of a person-centered and integrated care model for promoting safety and medication adherence among MS patients treated by *fingolimod*. Poster presented at ECTRIMS Congress 2013 (Copenhagen).

Disclosure :

M. Schlupe has served as a consultant for Merck-Serono and has received honoraria, payment for development of educational presentations, and travel support from Merck-Serono, Biogen Idec, Novartis, Sanofi-Aventis, Bayer Schering and Genzyme / O. Bugnon is a member of the board of SISPha S.A. / J. Berger, A. Bourdin and C. Perraudin have declared no conflict of interest. This project is supported by an unrestricted grant from Novartis Pharma Schweiz AG.