



From Diagnosis to Satisfaction in Multiple Sclerosis: A Swiss Patient Survey Highlighting the Importance of the First Diagnostic Consultation

Christian P. Kamm ^{1,2,*}, Praveen Manjakunnel ¹, Dirk Lehnick ^{3,4}, Martin Welter ⁵, Andrew Chan ², Nicole Kamber ² and Tim Vanbellingen ^{1,6}

- ¹ Neurology and Neurorehabilitation Center, Luzerner Kantonsspital, 6000 Lucerne, Switzerland; praveen.manjakunnel@ksbl.ch (P.M.); tim.vanbellingen@luks.ch (T.V.)
- ² Department of Neurology, Inselspital, Bern University Hospital, University of Bern, 3010 Bern, Switzerland; andrew.chan@insel.ch (A.C.); Nicole.Kamber@insel.ch (N.K.)
- ³ Biostatistics and Methodology, Clinical Trials Unit Central Switzerland, 6002 Lucerne, Switzerland; dirk.lehnick@unilu.ch
- ⁴ Department of Health Sciences and Medicine, University of Lucerne, 6002 Lucerne, Switzerland
- ⁵ Neurologische Gemeinschaftspraxis, 3600 Thun, Switzerland; welter.neuro@hin.ch
- ⁶ Gerontechnology and Rehabilitation Group, University of Bern, 3008 Bern, Switzerland
- * Correspondence: christian.kamm@luks.ch; Tel.: +41-41-205-2969; Fax: +41-41-205-2968

Abstract: Background: An early treatment start with disease modifying therapies (DMT) and longterm adherence is crucial in the treatment of people with multiple sclerosis (PwMS) to prevent future disability. Objectives: To gain information on the diagnostic process, decision making, treatment start and adherence with regard to DMT as well as satisfaction in PwMS in Switzerland to optimize management of PwMS. Methods: A survey was conducted between June 2017 and March 2018 in six hospital-based MS centres and eight private practices in Switzerland. PwMS according to the 2010 McDonald criteria, aged 18-60 years, having a clinical isolated syndrome, relapsing remitting MS, or secondary progressive MS were eligible. The survey contained 40 questions, covering participants' background and circumstances, treatment decisions, therapy start, treatment adherence, and satisfaction (EKNZ Req-2016-00701). Results: 212 questionnaires were returned for analysis. Of these, 125 (59.0%) were answered by patients treated by practice-based neurologists and 85 (40.1%) by patients treated in hospitals. That PwMS were satisfied overall with current medical care, that they were free of relapses and disease progression, and that they were able to live independently were the main goals of patients. Satisfaction was reflected by an early therapy start and a high adherence to DMT in our cohort. The treating neurologist played a major role in this regard. Furthermore, a satisfactory first diagnostic consultation (FDC) was crucial for successful long-term patient care positively influencing an early treatment start, longer duration of the initial therapy, as well as adherence to treatments and general satisfaction. Conclusion: The treating neurologist and especially a satisfactory FDC play a major role for the successful long-term treatment of PwMS. Detailed information on various aspects of the disease and time with the treating neurologist seems to be of major importance.

Keywords: multiple sclerosis; survey; diagnostic process; decision making; treatment start; adherence; satisfaction; DMT first diagnostic consultation

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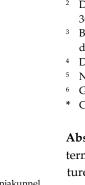
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1. Introduction

Treatment options in multiple sclerosis (MS) increased steadily over the past years with more and more available potent disease modifying therapies (DMT) positively influencing the disease course [1–6].

Early treatment start is crucial in the treatment of MS to prevent future disability because existing drugs take effect especially in the early, predominately inflammatory phase of the disease [7–9]. To treat people with MS (PwMS) early is therefore of major interest besides choosing the most optimal drug. To achieve this goal, the diagnostic criteria of MS were constantly refined over the past decades [10,11]. In addition, an increased MRI availability, increasing treatment options, and herewith, increasing disease awareness lead to an earlier diagnosis and therapy start over the last decades [12].

Nevertheless, a substantial number of patients still experience significant delays in the diagnosis and treatment start. A Swiss study by Kaufmann and colleagues found that, even in recent time periods, 40% of newly diagnosed persons with MS reported a delay of more than two years between first symptoms and MS diagnosis [13].

The reasons for delays are not fully understood. A population-based study from Canada found that onset at a younger age and having primary-progressive MS (PPMS) were associated with longer times to diagnosis [14]. A Swiss study by Barin and colleagues found that gait problems as initial symptoms, being diagnosed with primary progressive MS and having concomitant depression prolonged the time to diagnosis and treatment start [15].

Besides an early treatment start, long-term adherence to DMT is essential to obtain best possible treatment effects. Adherence to DMT and satisfaction have been shown to be associated with a reduced rate of relapses, emergency room (ER) visits, hospitalizations, neuropsychological issues, costs, and increased likelihood of higher quality of life (QoL) compared with non-adherent patients [16–18].

The aim of the current study was therefore to gain information on the diagnostic process, decision making with regard to treatment, treatment start and adherence as well as satisfaction in the care of PwMS in Switzerland. This information could improve the understanding of the current Swiss therapeutic landscape and lead to an optimization of the management of MS patients with regard to therapy start and maintenance as well as satisfaction with treatment and general care of PwMS.

2. Methods

Between June 2017 and March 2018, a survey was conducted in Switzerland. To obtain a cohort that best represented the Swiss MS population, six were hospital-based MS centres and eight were private practices. Inclusion criteria were patients diagnosed with MS according to the 2010 McDonald criteria, aged 18–60 years, having a clinical isolated syndrome (CIS), relapsing remitting MS (RRMS), or secondary progressive MS (SPMS) [10]. Main exclusion criteria were diagnosis of primary progressive MS due to the lack of approved therapies at the time of the survey as well as any diseases or conditions that would affect the adequate performance of the study procedures.

2.1. Questionnaire

The questionnaire was developed by the first author (principal investigator) and designed by an independent company (Appletree CI Group AG [ACG+], Winterthur, Switzerland) for paper and online data collection in German and French language. Printed questionnaires were transmitted to the MS centres in sealed envelopes, each having a unique study number that was associated with an MS centre to facilitate questionnaire tracking. The questionnaires were distributed to eligible patients during routine appointments at the MS centres. Questionnaires answered on paper were sent directly to ACG+ in post-paid envelopes. Alternatively, patients could answer questionnaires online using a unique code that was printed on the questionnaire envelopes. The exact return rate was not evaluated and reminders were not sent due to the anonymised nature of the questionnaire.

The survey contained 40 questions. The first 12 questions determined the participants' background and circumstances. Questions 13–40 established treatment decisions, therapy start, treatment adherence, and satisfaction. The disease course of each participant was provided by their neurologists (question 5). The final English version of the questionnaire is shown as Supplementary Material.

The study design was discussed with the responsible ethics committee (Ethikkommission Nordwest- und Zentralschweiz, EKNZ) and the decision was made that no written patient information or patient consent forms were required given that the questionnaire was anonymised (EKNZ Req-2016-00701).

2.2. Statistical Analysis

For the descriptive evaluation of the survey, categorical variables have been expressed as number of cases and percentages. In principle, all questions in the survey were captured in terms of categories. However, a number of variables were ordinally scaled, often using a Likert scale (1–5). Mean (and standard deviation) were shown for some of these Likert scale variables because it makes level differences somewhat easier to see than using the median.

Kendall's tau-b, a nonparametric rank correlation coefficient, has been used in order to assess bivariate association between variables. Statistical analyses were performed using STATA (Version 15.2 or later, StataCorp, College Station, TX, USA).

3. Results

In total, 212 questionnaires were returned for analysis (185 questionnaires were answered on paper; and 27 online). Of these, 125 (59.0%) questionnaires were answered by patients treated by practice-based neurologists and 85 (40.1%) questionnaires by patients treated in hospitals. 76.1% came from the German speaking part and 23.9% from the French speaking part of Switzerland.

3.1. Patient Characteristics

The characteristics of the study population are outlined in Table 1. Most patents were female (72.8%) and had relapsing-remitting MS (89.6%). Age and time since diagnosis were well distributed over the different categories. Most patients (>90%) had completed professional school/apprenticeship or higher educations. Being free of relapses and disease progression and living independently were the most significant factors for patients with regard to the disease and most patients had a medium to high general safety need (Table 1).

Gender (Female), %	72.8	
Age, n (%)		
≤30 years	33 (15.6)	
31–40 years	56 (26.4)	
41–45 years	37 (17.5)	
>45 years	84 (39.6)	
Missing	2 (0.9)	
Time since diagnosis, n (%)		
<12 month	18 (8.5)	
1–3 years	29 (13.7)	
3–5 years	28 (13.2)	
5–10 years	45 (21.2)	

Table 1. Patients characteristics (n = 212).

10–15 years	35 (16.5)
>15 years	56 (26.4)
Missing	1 (0.5)
MS type, n (%)	
CIS	5 (2.4)
RRMS	190 (89.6)
SPMS	15 (7.1)
Missing	2 (0.9)
Highest professional qualification, n (%)	
Less than 7 years of schooling	1 (0.5)
Compulsory school education	8 (3.8)
Training only	8 (3.8)
Professional school/apprenticeship	98 (46.2)
Matura schools/vocational, middle school	13 (6.1)
Higher technical and vocational training	47 (22.2)
University/University of applied sciences	34 (16)
Missing	3 (1.4)
Factors with regard to the disease, low (1) to	
high (5) significance, mean \pm SD	
Free of relapse	4.8 ± 0.6
Free of disease progression	4.8 ± 0.6
Independence	4.8 ± 0.6
Social environment	4.5 ± 0.8
Partnership	4.4 ± 1.0
Work	4.1 ± 1.1
Family planning	3.0 ± 1.8

n, number; CIS, clinically isolated syndrome; RRMS, relapsing remitting multiple sclerosis; SPMS, secondary progressive multiple sclerosis.

3.2. Treatment Decision

Most MS diagnoses were made in hospitals (65%) compared to private practices and in the majority of cases (59.43%), two or more consultations for the first diagnostic consultation (FDC), in which the diagnosis was communicated, and treatment decision were performed (Table 2).

The quality of the FDC was rated mostly good with 56.9% rating 1 and 2 on a lickert scale from 1–5. However, approximately 30% of patients were unsatisfied with the FDC.

Patients felt mostly well informed about treatment options, and 60.4% of patients felt that all possible treatment options were discussed by the neurologist. In 75.5%, the neurologist recommended a certain therapy.

Patients received information about therapeutic options mainly from the treating neurologist (82.1%). Frequent additional sources were the internet (52.4%), talking to other patients (24.1%), talking to the family doctor (20.3%) or to MS-Nurses (20.3%).

However, MS-Nurses played a very important role in the final treatment decision in only 13% of patients although 75% had support by a MS-nurse (Table 2).

Key goals to initiate therapy after the first diagnosis were being free from relapses, delaying disability, and being independent. With regard to the influence of side effects on treatment decisions, there was no outstanding factor.

Table 2. Treatment decision (n = 212).

Place of diagnosis, n (%) Hospital Private practice

138 (65.09) 72 (33.96)

Number of consultation for FDC/treatment decision, n (%) (1) One consultation 79 (37.26) Two or more consultations 126 (59.43) Missing 7 (3.3) Quality of first diagnostic talk (n = 207) 7 (5.6.2) 1 (very good) 75 (36.2) 2 43 (20.7) 3 26 (12.56) 4 32 (15.45) 5 (very bad) 31 (14.97) Information about different treatment options (n = 203) 1 (very good) 70 (34.4) 2 50 (24.6) 3 32 (15.7) 4 34 (16.7) 5 (very bad) 17 (8.3) Did Neurologist inform about all treatment option Yes Yes 128 (60.4) No 54 (25.5) Don't know 27 (12.7) Missing 3 (1.4) Did Neurologist recommend a certain therapy Yes Yes 160 (75.5) No 31 (14.6) Don't know 13 (6.1) Missing 8 (3.8)	Missing	2 (0.9)
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e i i		56 (17 5%)
25(21.2%)	8	
	more time with therapy companions	2J (21.2 /0)

More information about side effects and safety profile on individual therapies	68 (57.6%)
Expanded exchange with other MS-patients	32 (27.1%)
Psychological counseling	31 (26.3%)
Second opinion after First diagnosis (n = 212)	
Yes	41 (19.3%)
No	158 (74.5%)
Missing	13 (6.1%)
Usefulness of second opinion after First diagnosis	
(n = 40)	
1 (very useful)	20 (50.0%)
2	6 (15.0%)
3	4 (10.0%)
4	6 (15.0%)
5 (not useful at all)	4 (10.0%)

n, number; FDC, First diagnostic consultation; CIS, clinically isolated syndrome; RRMS, relapsing remitting multiple sclerosis; SPMS, secondary progressive multiple sclerosis.

Overall, patients felt safe with regard to their treatment decision; however, approximately 25% of patients felt unsafe or very unsafe (Supplementary Table S1).

50% of patients stated that more time with the neurologist and more information on side effects and safety profile would have been helpful with regard to treatment decisions.

Approximately 1/5 of patients obtained a second opinion after receiving the diagnosis of MS, which was perceived useful to 65% of them (Table 2).

If patients would have retrospectively opted for the same DMT after their initial diagnosis correlated significantly with the satisfaction with the FDC (tau-b = 0.18, p = 0.008), the initial medication (not being interferon, tau-b = 0.23, p = 0.002), information on treatment options provided by the physicians (tau-b = 0.23, p < 0.001), and the confidence in treatment decision (tau-b = 0.21, p = 0.002).

3.3. Treatment Start

After the first diagnosis of MS, 32.8% started a disease-modifying therapy within 4 weeks and 71% within 3 months. 14.7% started with a delay over 12 months (Table 3).

The time from diagnosis to therapy start was shorter the more recent the MS diagnosis was made (p < 0.001), in younger patients (tau-b = 0.22, p < 0.001), RRMS compared to SPMS (tau-b = 0.19, p = 0.003) and the more the patients were satisfied with the FDC (tau-b = 0.13, p = 0.033). In retrospect, patients were satisfied with the FDC if they felt informed about the different therapy options (tau-b = 0.58, p < 0.001), if all possible therapies were presented (tau-b = 0.41, p < 0.001), the safer the patient felt during the decision (tau-b = 0.35, p < 0.001) and if the initial therapy was not interferon (Avonex, Betaferon, Rebif) (tau-b = 0.23, p < 0.001) (Figure 1).

Time diagnosis to treatment start (n = 204)	
0–4 weeks	67 (32.8%)
1–3 month	78 (38.2%)
3–12 month	26 (12.7%)
>12 month	30 (14.7%)
No wish for treatment	3 (1.5%)
Role of MS-Nurse at treatment start	
1 (none)	22 (11.2%)
2	17 (8.7%)
3	26 (13.3%)
4	34 (17.3%)
5 (important role)	55 (28.1%)
No MS nurse involved at treatment start	42 (21.4%)
Support by Neurologist during and after	
treatment start (n = 193)	
1 (very bad)	12 (6.2%)
2	18 (9.3%)
3	20 (10.4%)
4	39 (20.2%)
5 (very good)	104 (53.9%)

Table 3. Treatment start (n = 212).

n, number; CIS, clinically isolated syndrome; RRMS, relapsing remitting multiple sclerosis; SPMS, secondary progressive multiple sclerosis.

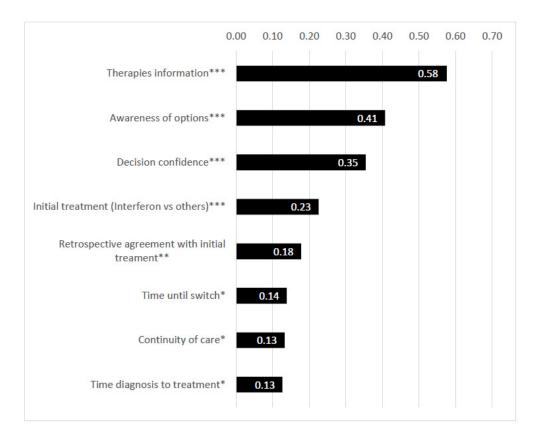


Figure 1. Correlations in terms of satisfaction with the first diagnostic consultation (FDC). Legends *: p < 0.05, **: p < 0.01, ***: p < 0.001. Numbers in the bar charts of the graphic: Kendall's tau-b (rank correlation, abs. values).

3.4. Treatment Adherence

60% of patients were currently treated in private practices and 40% in hospital-based centres. Visits were performed unevenly with most of the patients (93%) consulting the treating neurologist at least once a year, and 63% at least twice a year. Most patients changed their DMT during the course of the disease with around 25% of patients staying on the initial therapy, however 40% being on second therapy and 22% on the third or more DMT (Table 4). With regard to current DMTs, Gilenya and Tysabri were prescribed most frequently.

More than 33% switched the DMT within 3 years and most patients (60.3%) switched from injectables to other therapies. The most common reasons for switching the DMT were lack of efficacy, undesirable side effects and the type of drug-application.

Overall, 70% of the patients reported, that they had been on continuous treatment since first diagnosis, defined as being treated 75–100% of the time since the first diagnosis. Satisfaction with the FDC correlated significantly with a longer duration of the initial therapy (tau-b = 0.14, p = 0.019) an overall treatment adherence over time (tau-b = 0.13, p = 0.037).

As additional factors positively influencing treatment adherence, the efficacy of the medication, the treating neurologist, and self-motivation were predominantly mentioned by patients.

Table 4. Treatment adherence.

Current treatment, n (%)	
Private practice	125 (59)
Hospital-based	85 (40.1)
Missing	2 (0.9)
Regular visits at neurologist (n = 208)	
Less than once per year	3 (1.4%)
once per year	62 (29.8%)
twice per year	51 (24.5%)
more than twice per year	80 (38.5%)
Missing	12 (5.8%)
Number of different treatments, n (%)	
First therapy	58 (27.35)
Second therapy	84 (39.6)
Three or more therapies	48 (22.6)
Missing	22 (10.37)
Duration of the first therapy until switching to	
other drugs, n (%) (multiple answers possible)	
Continuation on initial therapy	49 (25.5)
1–6 months	15 (7.8)
>6–12 months	23 (12.0)
>1–3 years	46 (24.0)
>3–5 years	18 (9.4)
>5 years	41 (21.4)
Reasons for switching the first therapy, n = 145	· · ·
Efficacy	79 (54.5%)
Side effects and tolerance	67 (46.2%)
Type of drug application	59 (40.7%)
Family planning	4 (2.8%)
Others	12 (8.3)
Current treatment, n (%)	

Current treatment, n (%)

Aubagio	8 (3.8)
Injectables	39 (18.57)
Gilenya	64 (30.47)
Tecfidera	20 (9.5)
Tysabri	57 (27.14)
Lemtrada	0 (0)
Others	3 (1.4)
No treatment	19 (9.0)
Impact on adherence: 1 (no impact) to 5 (strong im-	ii
pact)	
Efficacy of the medication $(n = 180)$	$4.7 \pm 0.7 (1-5)$
Treating neurologist (n = 192)	$4.4 \pm 1.1 (1-5)$
Self-motivation $(n = 176)$	$4.4 \pm 1.0 (1-5)$
Family/Friends (n = 174)	$3.6 \pm 1.5 (1-5)$
Therapy companions (MS Nurse) (n = 141)	$3.0 \pm 1.6 (1-5)$
Fortbildungsseminare (n = 141)	2.3 ± 1.3 (1–5)
Internet-Foren ($n = 144$)	2.2 ± 1.3 (1–5)
Time being treated since diagnosis (n = 209)	
75–100%	149 (71.3%)
50–75%	29 (13.9%)
25–50%	6 (2.9%)
1–25%	9 (4.3%)
I never received any treatment	2 (1.0%)
No comments	14(6.7%)

n, number; CIS, clinically isolated syndrome; RRMS, relapsing remitting multiple sclerosis; SPMS, secondary progressive multiple sclerosis.

3.5. Treatment Satisfaction

The satisfaction with current medical care was high with 81.6% being satisfied or very satisfied. Similar results were seen for satisfaction with the current DMT.

64.1% described their QoL as good or very good, 12.6% as bad or very bad (Supplementary Table S2). QoL was higher if patients satisfied with the current DMT (tau-b = 0.48, p < 0.001) as well as the overall treatment and care (tau-b = 0.44, p < 0.001), if patients were of younger age (tau-b = 0.15, p = 0.009), felt informed about the different therapy options (tau-b = 0.15, p = 0.011), and were satisfied with the FDC (tau-b = 0.14, p = 0.014). In addition, satisfaction with the FDC was higher if the initial (tau-b = 0.16, p = 0.014) and current (tau-b = 0.13, p = 0.048) therapy was not interferon (Avonex, Betaferon, Rebif). Having not obtained a second opinion after their diagnosis (tau-b = 0.14, p = 0.040) was positively correlated to QoL as well (tau-b = 0.14, p = 0.040).

4. Discussion

In this cross-sectional Swiss survey we describe the treatment landscape of MS patients in Switzerland focusing on treatment decision, treatment start, treatment adherence and satisfaction and factors influencing these aspects.

As expected, the majority of participants were females above 30 years and the most common form was RRMS followed by SPMS and CIS as PPMS was an exclusion criterion of the study. Age and the time since the first diagnosis were well distributed. Participants were in general not willing to take high risks with a medium to high general security necessity (Table 1).

The first diagnosis of MS was mostly made in hospitals but afterwards, most patients received care from outpatient neurologists. The most important reasons to initiate a therapy were being free from relapses, delaying disability progression, and independence

while participants were initially mostly unconcerned with regard to side effects and generally felt safe with regard to DMT.

In the majority of cases two or more consultations were performed for the FDC and treatment decision.

Satisfaction with the FDC was in general high, independent of the place the FDC was performed, i.e., hospital or private practice. Patients felt mostly well informed about treatment options and safe with regard to their treatment decision, which positively influenced satisfaction with regard to the FDC and the choice of initial DMT. This was shown in prior studies as well in which shared decision making and information about different MS related topics led to a higher patient satisfaction with the FDC [19].

However, patients with RRMS and with more recent diagnosis felt better informed than older patients (above 40 years) with lower education (obligatory school education) which is probably at least partly due to the growing knowledge of the disease and the increasing therapeutic options in RRMS in recent years [1], while there were no significant differences regarding the MS type.

A large number of patients would have desired more time with the treating neurologists at the FDC and to have more information about the potential side effects and longterm data of therapies. These results are again in line with previous analysis showing that patient satisfaction with the FDC is driven by the duration of FDC and the number of discussed topics [19], and dissatisfaction in urban family physician care is mainly driven by short durations of service [20]. It however has to be pointed out that in our experience, approximately 30–60 minutes are usually allocated for an initial consultation in Switzerland, which is usually longer compared to other countries; however, there are not enough MS-specific data available on the subject [21]. Therefore, the results cannot be directly transferred to other countries and the influence of duration of MS consultations on the satisfaction with the FDC compared internationally would be of interest. These aspects could therefore be taken into account to improve future consultations and especially the FDC. For example, informing patients and relatives via not only booklets, but also professional homepages such as from MS patient organisations, which could facilitate the discussion during the consultation. In addition, modern technology such as wearable devices (watches etc.) could be increasingly used to gain more information about disease aspects outside the consulting hours for a more directed and productive discussion with patients [22-25].

The primary source of information was the treating neurologist, which highlights its role despite various other options of information. MS nurses didn't seem to play a crucial role in the treatment decisions; however, they did play an important role as therapy companion over time. It must, however, be noted that 1/3 of patients didn't have any support from an MS-nurse probably because MS-nurses are only available in bigger MS centers in Switzerland and usually not in private practices.

A second opinion was opted by PwMS that by trend had higher educational qualifications and prolonged MS-diagnosis for more than 15 years. There were no gender-specific differences and the majority of the patients were satisfied by obtaining a second opinion. However, treatment start was delayed by obtaining a second opinion. Therefore, a second opinion should be supported, however in a timely manner.

DMT initiation was quite fast in our opinion with around 70% of participants starting within 3 months after the FDC. Younger age of patients, a high satisfaction with the FDC, and having RRMS/CIS compared to SPMS led to an earlier therapy start. These findings corroborate with previous data by Kaufmann et.al 2018, in particular with regard to age and more recent time of diagnosis [13], and can be explained by the constantly revised diagnostic criteria in recent years resulting in a faster diagnosis of MS after initial symptoms [26], the increasing number of approved DMT for RRMS and the lack of potent therapeutic options as well as problems in diagnosing SPMS [26]. We did not examine the reasons for not having any DMT as this group was very small in our cohort.

Adherence to DMT is essential for a successful treatment as nonadherence or nonpersistence is associated with poorer clinical outcomes, including higher rates of relapse and disease progression, and higher medical resource use including the need of hospitalisations [27–30]. Previous studies showed adherence rates of 41% to 88% depending on the medication [31,32].

Therefore, an adherence rate of approx. 70% in our cohort seems to be in line, especially as adherence rates in chronic diseases tend to become less over time [33].

As major factors influencing adherence, the treating neurologist, efficacy of the treatment and self-motivation were mentioned by patients. In addition, a satisfactory FDC resulted in longer treatment duration of the initial DMT and longer overall adherence. Around 44% of the participants switched their DMT within 3 years of treatment with higher rates seen in younger patients up to 40 years probably due to the advanced therapeutic options. As expected, a longer disease duration was associated with more frequent DMT changes. The common reasons for non-adherence were side effects, lack of efficacy and practical issues. Main reasons for switching medication were practical inconvenience of the injectables, improved efficacy and tolerance of oral or intravenous drugs that were approved in recent years. Therefore, it is not surprising that switching was highest in patients initially treated with injectables that were the first approved MS-drugs in the market.

The overall satisfaction regarding medical treatment and current medical care was high, however only 60% of participants stated their QoL as high or very high. Satisfaction with the FDC, current DMT, overall treatment and care, and being younger was favourable for QoL.

5. Limitations

This survey has some limitations. The survey was performed in Switzerland. Therefore, the results cannot directly be transferred to other countries. Patients were mostly recruited in specialized MS centres or practicing physicians specialized in MS which could lead to a shift towards a well-treated patient cohort. In addition, the study design might have favored well educated and younger patients with more interest in participating in a survey and the patients that were more satisfied with the attending neurologist. Due to anonymity reasons, no data were collected of which patient groups took part in the study and the return rate was not evaluated. Another important limitation is the missing data of PPMS-patients, as there were no approved therapies including Ocrevus and Mavenclad during the recruitment period. Remembrance errors are possible, the longer ago the diagnosis was made. This questionnaire was completed by the participants only except for the type of the disease that was filled in by the treating neurologist. Therefore, perceptions of the treating neurologists were not considered in this study.

6. Conclusions

PwMS were satisfied overall with current medical care, with being free of relapses and disease progression, as well as with living independently as the main goals of patients. Satisfaction is reflected by an early therapy start and a high adherence to DMT in our cohort. The treating neurologist plays a major role in this regard. Furthermore, a satisfactory FDC is crucial for a successful long-term patient care positively influencing an early treatment start, longer duration of the initial therapy as well as adherence to treatments and general satisfaction. Overall, patients would like to spend more time with the treating neurologist, especially with regard to detailed information on various aspects of the disease.

Supplementary Materials: The following are available online at www.mdpi.com/article/10.3390/ctn6010004/s1, Questionnaire, Table S1: Treatment decision (n = 212), Table S2: Treatment satisfaction. **Author Contributions:** All authors made substantial contributions to the concept and design, or analysis and interpretation of data, and to the drafting of the manuscript or revising it critically for important intellectual content. All authors have read and agreed to the published version of the manuscript.

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Institutional Review Board Statement: The study was conducted according to the guidelines of the Declaration of Helsinki. The study design was discussed with the responsible ethics committee (Ethikkommission Nordwest- und Zentralschweiz, EKNZ) and the decision was made that no written patient information or patient consent forms were required given that the questionnaire was anonymised (EKNZ Req-2016-00701).

Informed Consent Statement: Informed Consent was not required based on the decision of the ethics committee.

Data Availability Statement: The data presented in this study are available in Supplementary Material

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