# Poster M-P-63 Expectations and Concerns towards the Up-Coming New Long-Acting Products -**Results of a Survey among Haemophilia Patients in Switzerland**

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# Introduction

Most haemophilia patients in Western Europe nowadays have the opportunity to receive regular prophylaxis [1] and can have normal lives due to the sufficient availability and funding of plasmatic and recombinant factor concentrates (FC) [2,3]. In patients with severe haemophilia A or B, prophylaxis includes injections of FVIII every other day or three times a week or FIX twice a week, respectively. Poor adherence to prophylaxis may increase the risk of joint bleeds and arthropathy [4,5]. New long acting FC will be launched in the next years and are expected to improve patients' quality of life [6,7]. Little is known about patients' perspectives on the use of FC with extended half-life (EHL) [8] and their willingness to switch to these products.

# Aim

In order to adapt haemophilia treatment to real patients' needs, the Swiss patient organisation (SHG) and the Swiss Haemophilia Network (SHN) have conducted a survey to better understand: What patients know already about the new FC with EHL Which are the expectations, needs and concerns of patients

- towards these EHL concentrates
- To what extent patients with haemophilia would switch to these new products depending on the half-life.

# **Study Design & Methods**

### Survey

- Systematic postal survey among haemophilia A or B patients regarding the new EHL products was sent in January 2016 to all haemophilia A and B patients registered at the SHG.
- In addition haemophilia treatment centres from the SHN sent the survey to their haemophilia patients not registered at the SHG.
- Responses were collected between January and March 2016.

### **Statistical analyses**

All statistical analyses were conducted using the SPSS program version 24 (SPSS Inc., Chicago, IL, USA). Descriptive data are shown as frequency distribution in percent or as means  $\pm$ standard division SD, median and range.

# References

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Response Rate		Facts about Switzerland	Willingness to Switch
	Ν	Switzerland has 8.3 Million inhabitants	Patients
Direct shipment via SHG	404	From them roughly 800 suffer from	
Shipment via HTCs of SHN	267	haemophilia	2
OTAL	671	-700  HA	
Return shipments letters, which could not be delivered because recipient moved away or was inknown)	13	<ul> <li>100 HB</li> <li>The survey has been sent to 87.7% of all registered haemophilia patients from the</li> </ul>	37 61
Rest TOTAL	658	Swiss national registry (n=750)	
Return rate actual	221	• The response rate represents 29.5% of	
<ul> <li>2 patients were excluded since they have VWD</li> <li>3 HTCs did not participate in the survey at all</li> </ul>		all registered patients, which is highly representative.	no yes I don't know yet
	33.6%		
			 Reasons for/
SUC 20	SHN SI		Reasons for Switching
the respondents, $72.6\%$ we	ere pati		
n the respondents, 72.6% we	-		Reasons for SwitchingPatientsParentsN (%)N (%)
nts completed the questionna	aire toge		Reasons for SwitchingPatients N (%)Parents N (%)Longer half-life of new product120 (86.3%)46 (85.2%)Same safety of new product78 (56.1%)29 (53.7%)

- Fr pa
- Th (65.2%). 14.9% had a history of inhibitors.
- FC (FVIII: 36.5%, FIX: 80.9%).
- difficult manageability of FC and short half-life.
- half-life (84.2%), possible side effects (75.1%) and efficacy (69.4%).

- half-life. • The majority had no idea about the half-life of their actual FC.

- regarding the up-coming FC with EHL.
- needs into consideration.

(57.8%), received on-demand treatment (48.1%) and used recombinant FC

Most of the patients and parents did not know the correct half-life of their actual

• Only 4.3% were unsatisfied with their actual FC; mainly with packaging & device,

• For an adequate decision to switch, patients require the following information:

• The majority wanted to be informed by their haemophilia treater (70.9%), bulletin/newsletter of SHG (61.5%) and information letter HTC/SHG (47.9%).

# Summary & Conclusions

• In this representative survey, Swiss patients and parents of children with haemophilia reported to be satisfied with their actual FC. Nevertheless, unsatisfactory aspects of their actual FC are packaging & device, difficult manageability of factor concentrate and short

• Concerning the new FC with EHL more information about half-life, possible side-effects and efficacy was desired. • A switch to FC with EHL would be considered if the prolongation of the half-life is at least twice as long as the actual FC. • These survey data provide conclusive answers from a highly representative cohort of Swiss haemophilia patients on the real needs

• These findings will help patient associations and physicians to better inform patients about the new up-coming products taking patients

Reas
Reasons for Switching
Longer half-life of new produ Same safety of new product
Better efficacy of new product
More security when travelling short period
Longer stability outside the find the f
New product advantages for
New product beneficial for do
Easier application of new pro
Lower price of new product
Motivated to switch to prophy with new product
Sufficient experience in pract
Other reasons

13.8% would switch to new FC if the half-life extension is 1.2-1.5x longer then the actual FC and 81.8% if it is 2-10x longer.



## to New Factor Concentrates Parents





no ves I don't know yet

# against Switching

	Patients N (%)	Parents N (%)	Р	
uct	120 (86.3%)	46 (85.2%)	n.s.	
t	78 (56.1%)	29 (53.7%)	n.s.	
ıct	75 (54%)	31 (57.4%)	n.s.	
ng for a	68 (48.9%)	25 (46.3%)	n.s.	
fridge of	60 (43.2%)	21 (38.9%)	n.s.	
r surgery	54 (38.8%)	25 (46.3%)	n.s.	
loing sport	52 (37.4%)	40 (74.1%)	.0001	
oduct	46 (33.1%)	30 (55.6%)	.004	
	41 (29.5%)	22 (40.7%)	n.s.	
hylaxis	24 (17.3%)	6 (11.1%)	n.s.	
ctical use	9 (6.5%)	6 (11.1%)	n.s.	
	11 (8%)	1 (1.9%)	n.s.	

<b>Reasons for Switching</b>							
Reasons for NOT Switching	Patients N (%)	Parents N (%)	Р				
No side effects of actual product	17 (54.8%)	9 (45%)	n.s.				
Satisfaction with actual product	14 (45.2%)	5 (25%)	n.s.				
Fear of inhibitor development of new product	12 (38.7%)	18 (90%)	.0001				
Fear of uncertain safety of new product	10 (32.3%)	10 (50%)	n.s.				
Good manageability of actual product	8 (25.8%)	5 (25%)	n.s.				
Lack of transparency of info of new product	7 (22.6%)	5 (25%)	n.s.				
No advantage to change product	5 (16.1%)	2 (10%)	n.s.				
Immediate availability of actual product	3 (9.7%)	1 (5%)	n.s.				
Other reason*	3 (9.7%)	-	n.s.				

