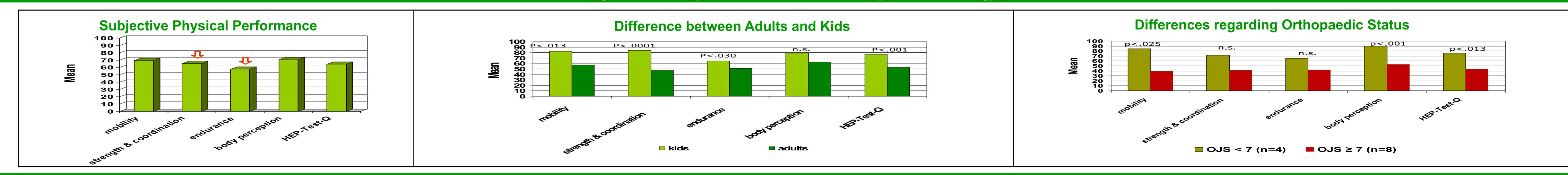
# Poster W-PO-133 Physical Activity of Severe Haemophilia A Patients Receiving Prophylaxis with Helixate NexGen

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- (0-11 years).
- Patients had a median number of 1 bleed in the previous year and a mean OJS of  $(M_{adults} = 10.15 \pm 9.8; M_{children} = 1.63 \pm 2.2).$

Regarding t	Regarding the Type of Activity				
	Adolescents	Adults	P		
	(n=7)	(n=16)			
Endurance sports	7	14	n.s.		
Hobby/Leisure	6	14	n.s.		
Athletic sports	5	10	n.s.		
Ball sports	7	5	.005		



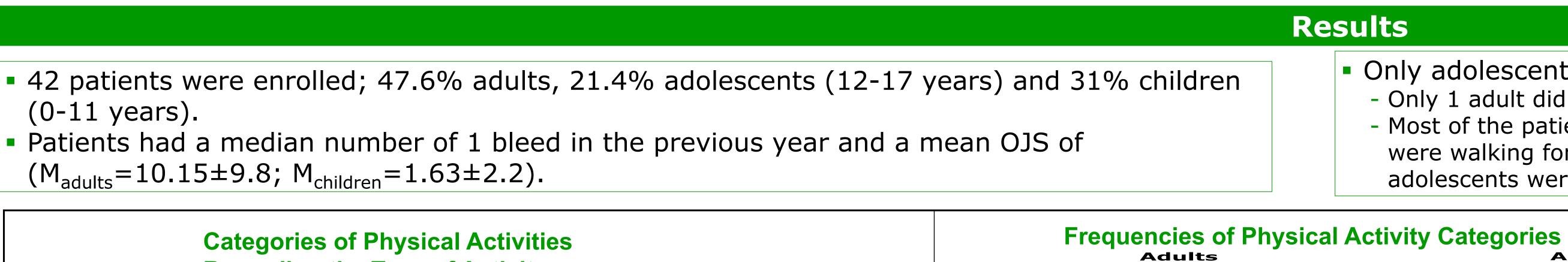
References: [1] Weigle N & Carson BR. Physical activity and the hemophiliac: yes or no? Am Correct Ther J 1975; 29: 197-205. [2] Negrier C, Seuser A, Forsyth A, Lobet S, Llinas A, Rosas M, Heijnen L. The benefits of exercise for patients with haemophilia and recommendations for safe and effective physical activities in patients with haemophilia. Haemophilia 2007; 13 (supp 2): 38-43. [4] Khawaji M, Astermark J, haemophilia. Haemophilia 2007; 13 (supp 2): 38-43. [4] Khawaji M, Astermark J, haemophilia. Berntorp E. Lifelong prophylaxis in a large cohort of adult patients with severe haemophilia: a beneficial effect on orthopaedic outcome and quality of life. Eur J Haematol. 2012;88(4):329-35. [5] von Mackensen S., Czepa D., Herbsleb M., Hilberg T.: Development and validation of a new questionnaire for the assessment of subjective physical performance in adult patients with haemophilia – the HEP-Test-Q. Haemophilia and repeatability of he EPIC-Norfolk Physical Activity Questionnaire. International Journal of Epidemiology, 2002, 31, 168-174.

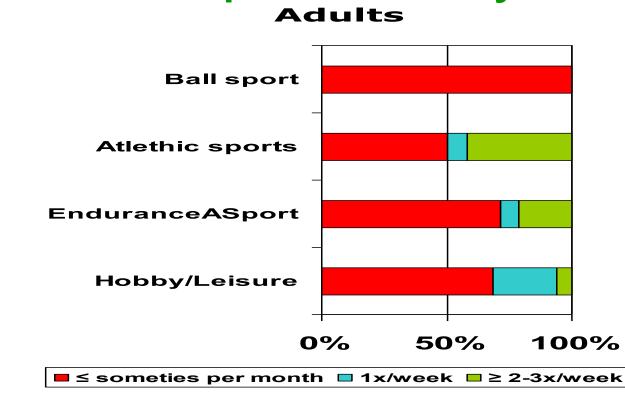
### Introduction

• Until the mid 70ies sport was discouraged in people with haemophilia (PWH) due to the bleeding risk [1]. Nowadays there is an increasing recognition that physical activity is important for people with haemophilia (PWH) [2,3]. Moreover, prophylaxis is beneficial to avoid bleeds, prevent joint damage and improve HRQoL [4], allowing PWH to practice individualised sport. • The observational, prospective, non-interventional, SHAPE Study evaluated adherence to long-term prophylaxis by monitoring changes in clinical outcomes and physical activity in 14 centres in Italy over 36 months. We evaluated the impact of prophylaxis on physical activity of severe haemophilia A patients. This Study was sponsored by CSL Behring S.p.A., Italy.

### **Methods**

• Patients of any age suffering from severe Haemophilia A, who have been prescribed a long-term prophylaxis regimen (at least 1 infusion/week for at least 46 weeks/year) with Helixate NexGen were included. • Physical functioning and physical activity were assessed via self-rated questionnaire [6]). Demographic and clinical data were collected via electronic CRFs; the orthopaedic status was assessed with the WFH Orthopaedic Joint Score (OJS) or the Hemophilia Joint Health Score (HJHS).





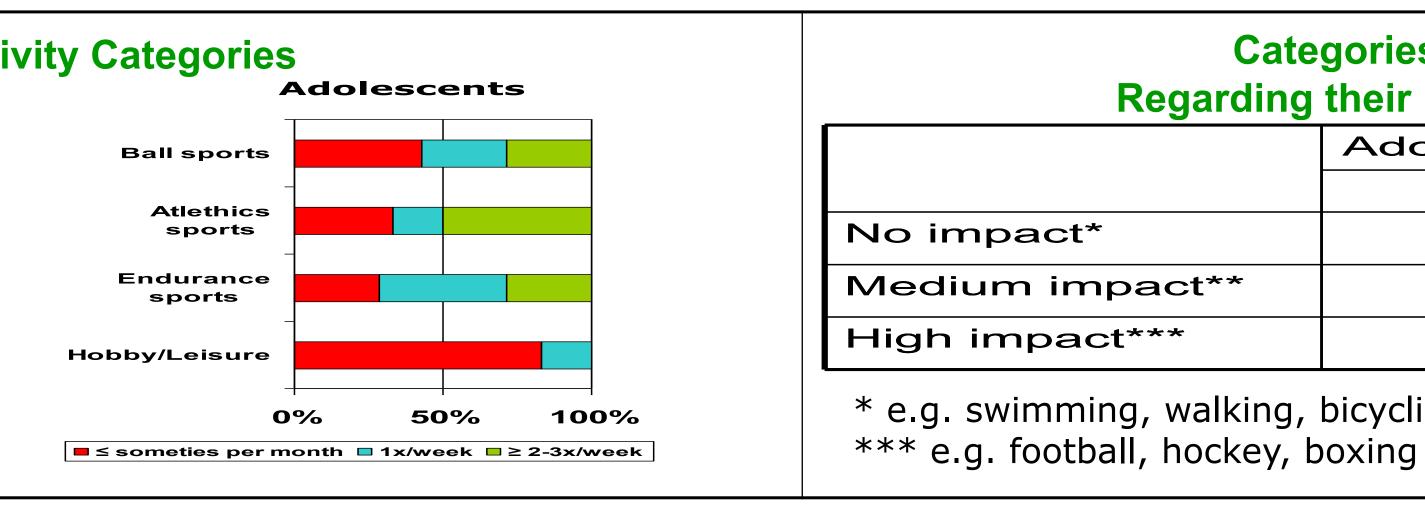
## Subjective Physical Performance (HEP-Test-Q)

### Conclusion

### There was a difference between adolescents and impact of practiced physical activities. Highest impairments in the HEP-Test-Q were found in the domain 'endurance', 32.4% reported a fair/poor actual physical activity and in the domain 'strength & coordination', 47.2% could never/seldom carry out exhausting activities. PWH with a better orthopaedic joint status reported a better subjective physical performance.

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- Only adolescents (n=9) and adults (n=20) were asked questions about sports. - Only 1 adult did not practice sports.
  - Most of the patients were doing endurance sports, followed by hobby activities. Main physical activities in adults were walking for pleasure, Do-It-Yourself (DIY) and floor exercises; none of the adults played football, whereas adolescents were mainly walking for pleasure, playing netball, volleyball or basketball and football.



### **Categories of Physical Activities Regarding their Impact on the Joints of PWH**

Adolescents	Adults	р
(n=7)	(n=16)	
6	15	n.s.
7	13	n.s.
6	_	<.0001

\* e.g. swimming, walking, bicycling; \*\* e.g. tennis, rowing, volleyball;









