

Supplementary Data 1 – Number of treated bleedings per FVIII category

a) Measured by the one-stage FVIII assay

FVIII	≤0.05	0.06- 0.10	0.11- 0.15	0.16- 0.20	0.21- 0.25	0.26- 0.30	0.31- 0.35	0.36- 0.40	>0.40	Total
<i>Patients</i>	34	35	11	23	7	3	2	2	9	126
<i>Years (total)</i>	146	160	34	86	26	14	8	5	28	507
Muscle	25	29	3	17	0	1	1	0	0	76
Joint	68	40	6	3	0	1	0	0	1	119
Oral	5	6	0	1	0	0	0	0	0	12
Gastro-intestinal	5	9	0	0	0	0	0	0	0	14
Epistaxis	2	17	0	2	0	0	0	0	4	25
Cerebral	0	0	0	0	0	1	0	0	0	1
Other	59	36	5	10	2	0	0	0	5	117
Total	164	137	14	33	2	3	1	0	10	364
Bleedings/ patient	4,82	3,91	1,27	1,43	0,29	1	0,5	0	1,11	
Bleedings/ year	1,12	0,86	0,41	0,38	0,08	0,21	0,13	0	0,36	

b) Measured by the chromogenic FVIII assay

FVIII	≤0.05	0.06- 0.10	0.11- 0.15	0.16- 0.20	0.21- 0.25	0.26- 0.30	0.31- 0.35	0.36- 0.40	>0.40	Total
<i>Patients</i>	6	41	30	16	13	8	2	2	8	126
<i>Years (total)</i>	27	181	130	48	56	28	9	9	19	507
Muscle	2	24	42	3	4	0	0	1	0	76
Joint	18	59	28	8	5	0	0	1	0	119
Oral	1	6	5	0	0	0	0	0	0	12
Gastro-intestinal	5	2	7	0	0	0	0	0	0	14
Epistaxis	0	1	20	0	0	4	0	0	0	25
Cerebral	0	0	0	1	0	0	0	0	0	1
Other	22	57	19	3	8	4	0	1	3	117
Total	48	149	121	15	17	8	0	3	3	364
Bleedings/ patient	8	3,63	4,03	0,94	1,31	1	0	1,5	0,38	
Bleedings/ year	1,78	0,82	0,93	0,31	0,30	0,29	0	0,33	0,16	

Number of bleedings per patient category according to their FVIII measured by the one-stage assay (a) or by the chromogenic assay (b). Years are years of follow-up. Only bleedings treated with desmopressin, factor concentrate or a (surgical) intervention were included.

Supplementary Data 2 – Number of measurements per time point

	T0	T1	T3/T4	T6	T24
One-stage assay	27	25	26	25	17
Chromogenic assay	27	25	26	21	12

Number of FVIII measurements at each time point by the one-stage assay (OSA) and the chromogenic assay (CSA). T0 is before desmopressin administration T1-T24; time after the end of desmopressin infusion in hours.

Supplementary Data 3 – Differences in FVIII response after desmopressin

a)

All patients		Response according to the chromogenic assay			
		NR	PR	CR	Total
Response according to the one-stage assay	NR	2	0	0	2
	PR	0	2	5	7
	CR	0	2	14	16
	Total	2	4	19	25 ¹

b)

Selected patients		Response according to the chromogenic assay			
		NR	PR	CR	Total
Response according to the one-stage assay	NR	0	0	0	0
	PR	0	0	3	3
	CR	0	1	9	10
	Total	0	1	12	13 ²

Categorical response one hour after desmopressin administration. All patients are shown in 3a. In 3b) only patients are shown in whom not all FVIII's were either discrepant or equivalent (b). OSA = one-stage assay; CSA = chromogenic assay; NR = no response (FVIII <0.30 IU/ml); PR = partial response (FVIII ≥0.30 and FVIII <0.50 IU/ml); CR = complete response (FVIII ≥0.50 IU/ml) ¹Two missing ²One missing