

Table SI. Cohort of 87 patients with inherited ichthyosis with demographic, clinical data (Scaling and Cornification Score in Ichthyosis (SCSI); erythema) and serum levels of 25(OH)D3 and parathyroid hormone (PTH)

Patient ID	Sex	Age, years	Diagnosis	SCSI (0-4)	Erythema (0-3)	25(OH)D3, ng/ml	PTH, pg/ml
1	M	13	Ichthyosis vulgaris	1	1	24.6	40.1
2	F	63	Ichthyosis vulgaris	1	1	15.6	n.k.
3	M	11	Ichthyosis vulgaris	1	0	23.7	39.9
4	M	49	Ichthyosis vulgaris	2	0	13.3	32.3
5	M	10	Ichthyosis vulgaris	1	1	32.1	36.4
6	F	33	Ichthyosis vulgaris	1	1	14.8	n.k.
7	F	33	Ichthyosis vulgaris	1	0	21.0	40.7
8	F	18	Ichthyosis vulgaris	1	0	21.4	8.2
9	M	3	Ichthyosis vulgaris	1	1	18.4	10.4
10	F	9	Ichthyosis vulgaris	1	0	14.9	n.k.
11	M	60	X-linked ichthyosis	2	1	12.4	53.8
12	M	13	X-linked ichthyosis	2	0	7.0	62.3
13	M	5	X-linked ichthyosis	1	0	25.2	18.8
14	M	3	X-linked ichthyosis	2	0	13.9	35.3
15	M	7	X-linked ichthyosis	2	0	24.2	12.1
16	M	41	X-linked ichthyosis	4	0	13.9	28.1
17	M	28	X-linked ichthyosis	2	0	10.4	n.k.
18	M	7	X-linked ichthyosis	2	0	35.1	n.k.
19	M	86	Lamellar ichthyosis	4	1	8.9	79.8
20	M	48	Lamellar ichthyosis	4	1	15.6	72.1
21	M	12	Lamellar ichthyosis	4	1	9.2	65.1
22	F	12	Lamellar ichthyosis	2	1	25.9	56.1
23	M	30	Lamellar ichthyosis	3	1	16.8	66.9
24	F	12	Lamellar ichthyosis	3	1	7.6	57.4
25	F	3	Lamellar ichthyosis	1	1	32.6	n.k.
26	M	21	Lamellar ichthyosis	3	0	7.0	30.5
27	F	60	Lamellar ichthyosis	2	2	14.2	n.k.
28	M	9	Lamellar ichthyosis	2	1	17.0	34.5
29	M	24	Lamellar ichthyosis	3	1	7.0	76.4
30	F	19	Lamellar ichthyosis	2	2	7.0	56.2
31	F	18	Lamellar ichthyosis	2	1	7.6	n.k.
32	F	27	Lamellar ichthyosis	3	2	15.2	15.7
33	M	6	Lamellar ichthyosis	3	1	7.0	58.8
34	M	30	Lamellar ichthyosis	2	1	12.6	n.k.
35	F	13	Lamellar ichthyosis	2	1	7.0	60.0
36	F	48	Lamellar ichthyosis	1	1	11.9	65.0
37	F	7	Lamellar ichthyosis	2	1	13.5	26.3
38	F	20	Lamellar ichthyosis	2	1	7.0	26.5
39	F	18	Lamellar ichthyosis	3	1	11.0	n.k.
40	F	7	Lamellar ichthyosis	3	3	8.9	45.3
41	F	26	Lamellar ichthyosis	3	1	7.0	41.2
42	F	46	Lamellar ichthyosis	2	2	18.4	43.1
43	M	11	Lamellar ichthyosis	3	1	30.0	46.2
44	M	37	Lamellar ichthyosis	2	1	7.0	63.7
45	F	33	Lamellar ichthyosis	2	1	7.0	38.7
46	M	49	Netherton syndrome	2	3	7.0	48.3
47	F	14	Netherton syndrome	1	2	7.0	125.0
48	F	15	Netherton syndrome	2	2	8.3	38.5
49	F	14	Netherton syndrome	2	2	10.7	43.6
50	F	16	Netherton syndrome	0	2	16.8	44.6
51	F	5	Netherton syndrome	1	2	30.6	n.k.
52	F	4	Netherton syndrome	1	2	18.0	17.5
53	M	6	Keratinopathic ichthyosis	2	1	21.3	16.5
54	F	3	Keratinopathic ichthyosis	4	1	16.6	n.k.
55	F	14	Keratinopathic ichthyosis	2	1	13.0	37.8
56	M	5	Keratinopathic ichthyosis	3	2	12.6	13.9
57	M	18	Keratinopathic ichthyosis	1	1	7.0	41.5
58	M	14	Keratinopathic ichthyosis	2	1	8.0	54.8
59	M	22	Keratinopathic ichthyosis	3	1	7.0	87.3
60	M	35	Keratinopathic ichthyosis	3	1	12.7	19.1
61	M	13	Keratinopathic ichthyosis	2	2	7.0	24.0
62	F	18	Keratinopathic ichthyosis	2	2	13.6	62.0
63	M	29	Keratinopathic ichthyosis	1	2	16.7	17.9
64	F	21	Keratinopathic ichthyosis	2	1	10.5	34.8
65	M	25	Keratinopathic ichthyosis	2	2	7.4	25.8
66	F	20	Keratinopathic ichthyosis	1	2	10.2	52.1
67	F	5	Keratinopathic ichthyosis	3	4	17.4	n.k.
68	F	29	Keratinopathic ichthyosis	2	1	7.0	72.2
69	M	37	Keratinopathic ichthyosis	1	1	7.0	n.k.
70	M	5	Congenital ichthyosiform erythroderma	1	1	35.8	11.5
71	M	1	Congenital ichthyosiform erythroderma	1	1	10.9	15.1
72	F	15	Congenital ichthyosiform erythroderma	2	1	7.0	14.9
73	F	14	Congenital ichthyosiform erythroderma	1	2	7.0	66.4

Table SI (contd.)

Patient ID	Sex	Age, years	Diagnosis	SCSI (0-4)	Erythema (0-3)	25(OH)D3, ng/ml	PTH, pg/ml
74	M	48	Congenital ichthyosiform erythroderma	2	1	16.5	n.k.
75	F	65	Congenital ichthyosiform erythroderma	2	2	12.4	30.2
76	F	4	Congenital ichthyosiform erythroderma	2	1	18.3	25.7
77	F	50	Congenital ichthyosiform erythroderma	2	1	11.3	40.2
78	F	17	Congenital ichthyosiform erythroderma	2	0	24.3	n.k.
79	F	7	Congenital ichthyosiform erythroderma	1	0	7.0	60.3
80	F	5	Congenital ichthyosiform erythroderma	1	1	29.2	21.9
81	F	21	Congenital ichthyosiform erythroderma	2	2	7.0	39.5
82	F	61	Congenital ichthyosiform erythroderma	1	1	24.1	n.k.
83	F	6	Harlequin ichthyosis	4	1	7.0	169.0
84	M	19	Harlequin ichthyosis	4	3	7.0	109.0
85	F	65	KLICK syndrome	1	1	7.0	101.0
86	F	14	Peeling skin disease	1	3	15.0	n.k.
87	F	21	KID syndrome	3	1	7.0	28.7

25-OH-D3: serum 25-hydroxyvitamin D3; KID: keratitis-ichthyosis-deafness syndrome; KLICK: keratosis linearis with ichthyosis congenita and sclerosing keratoderma; n.k.: not known; SCSI: Scaling and Cornification Score in Ichthyosis.