Supplementary Table S1. Online questionnaire for the study

COVID-19 related questionnaire					
Question 1. After the COVID-19 pandemic, how would you rate the quality of life considering your hyperhidrosis symptoms and severity?					
NO	**Answer**				
1	**Working environment**				
	Very good	Good	Same	Poor	Very poor
2	**The use of public spaces**				
	Very good	Good	Same	Poor	Very poor
3	**Academic activity (exam, interview, study)**				
	Very good	Good	Same	Poor	Very poor
4	**Digital life (the use of smartphone, devices and computers)**				
	Very good	Good	Same	Poor	Very poor
5	**Hobbies and leisure activity**				
	Very good	Good	Same	Poor	Very poor
6	**Intimate personal contacts (holding hands, hug, kiss, sexual intercourse)**				
	Very good	Good	Same	Poor	Very poor
7	**Public speaking or presentation**				
	Very good	Good	Same	Poor	Very poor
8	**Dressing (clothes, gloves, shoes, boots)**				
	Very good	Good	Same	Poor	Very poor
9	**Interpersonal relationship**				
	Very good	Good	Same	Poor	Very poor

Question 2. How would you rate the following problems related to hyperhidrosis during the COVID-19 pandemic?		
NO	**Answer**	
10	Did you experience the change of symptoms during the pandemic?	① Much worsened ② Worsened ③ Same as usual ④ Better ⑤ Much Better
11	Was it difficult to have appropriate management for hyperhidrosis during the pandemic?	① Yes ② Same as the pre-pandemic period ③ No
12	If you had problems in treatments during the pandemic, what were specific problems?	① No difficulty ② Visit to outpatient clinics ③ Worsened symptoms ④ Communication with physicians ⑤ Side effects ⑥ Insufficient information ⑦ Inaccurate information ⑧ Others

13	What kinds of treatment you received during the pandemic?	① No treatment ② Self-medication/Pharmacy ③ Herbal medicine ④ Health supplements ⑤ Surgery ⑥ Outpatient visit to dermatologists ⑦ Outpatient visit to thoracic surgeons ⑧ Mobile consultation ⑨ Leisure activity ⑩ Diet therapy ⑪ Others

Q. Over the last two weeks, how often have you been bothered by any of the following problems?

	Over the last two weeks,	**Not at all**	**Several days**	**More than half the days**	**Nearly everyday**
14	Little interest or pleasure in doing things?	**0**	**1**	**2**	**3**
15	Feeling down, depressed, or hopeless?	**0**	**1**	**2**	**3**
16	Trouble falling or staying asleep, or sleeping too much?	**0**	**1**	**2**	**3**

17	Feeling tired or having little energy?	**0**	**1**	**2**	**3**
18	Poor appetite or overeating?	**0**	**1**	**2**	**3**
19	Feeling bad about yourself - or that you are a failure or have let yourself or your family down?	**0**	**1**	**2**	**3**
20	Trouble concentrating on things, such as reading the newspaper or watching television?	**0**	**1**	**2**	**3**
21	Moving or speaking so slowly that other people could have noticed? Or the opposite - being so fidgety or restless that you have been moving around a lot more than usual?	**0**	**1**	**2**	**3**
22	Thoughts that you would be better off dead, or of hurting yourself in some way?	**0**	**1**	**2**	**3**
Total score (0-27)					

Supplementary Table S2. Age/gender/disease duration-matched participants' demographic, hyperhidrosis characteristics, and PHQ-9 score

	Male	**Female**	***P value***
	n=84	n=84	
Demographics			
Age	39.00 [33.75, 44.25]	39.00 [33.75, 44.25]	0.93
Age group			0.957
20-29	8 (9.5)	11 (13.1)	
30-39	35 (41.7)	33 (39.3)	
40-49	32 (38.1)	31 (36.9)	
50-59	8 (9.5)	8 (9.5)	
60+	1 (1.2)	1 (1.2)	
Marital status			*0.758*
married	42 (50.0)	39 (46.4)	
unmarried	42 (50.0)	45 (53.6)	
Residential area			
Small town	28 (33.3)	25 (29.8)	*0.740*
Urban/Metropolitan area	56 (66.7)	59 (70.2)	
Depression related			
PHQ-9 mean (SD)	4.05 (5.24)	6.96 (6.77)	***0.002***
PHQ-9 median (IQR)	2.00 [0.00, 6.00]	4.00 [2.00, 10.25]	***0.001***
Mild Depression¶	26 (31.0)	41 (48.8)	***0.027***
Moderate Depression‡	14 (16.7)	26 (31.0)	***0.045***
Hyperhidrosis related			
Duration	30.00 [20.00, 32.50]	29.00 [20.75, 35.00]	0.620
Axilla	38 (45.2)	51 (60.7)	*0.063*
Palmar	59 (70.2)	63 (75.0)	*0.604*
Plantar	60 (71.4)	64 (76.2)	*0.599*
Facial	32 (38.1)	29 (34.5)	*0.748*
Multiple	67 (79.8)	75 (89.3)	*0.134*
*Comorbidity***			

Gastrointestinal diseases	27 (32.1)	37 (44.0)	*0.153*
Obesity	27 (32.1)	23 (27.4)	*0.613*
Anxiety	13 (15.5)	19 (22.6)	*0.326*
Depression	13 (15.5)	22 (26.2)	*0.128*
Hypertension	14 (16.7)	4 (4.8)	***0.023***
Diabetes mellitus	5 (6.0)	2 (2.4)	*0.443*
Neurologic disorder	8 (9.5)	8 (9.5)	*1*

BMI, body-mass index; SD, standard deviation; IQR, interquartile range; PHQ-9, patient health questionnaire-9

¶ Patients with PHQ-9 score 5 or above

‡ Patients with PHQ-9 score 10 or above

⁂This is based on the patients' self-report not previous medical records

Supplementary Table S3. Age/gender/disease duration matched participants' demographic, hyperhidrosis characteristics and PHQ-9 score

	Male	**Female**	***P value***
	n=84	n=84	
Quality of life problems			
Use of public spaces, (%)	34 (40.5)	49 (58.3)	***0.030***
Working environments (%)	11 (13.1)	21 (25.0)	*0.076*
Interpersonal relationship (%)	32 (38.1)	46 (54.8)	***0.044***
Public speaking or presentation (%)	43 (51.2)	58 (69.0)	***0.027***
Digital life¶ (%)	23 (27.4)	29 (34.5)	*0.404*
Intimate personal contacts (%)	49 (58.3)	57 (67.9)	*0.263*
Dressing (%)	37 (44.0)	47 (56.0)	*0.165*
Hobbies and leisure activity (%)	25 (29.8)	35 (41.7)	*0.147*
Academic activity (%)	35 (41.7)	44 (52.4)	*0.216*
Change in symptoms			*0.576*
Improved	3 (3.6)	2 (2.4)	
Same as usual	74 (88.1)	70 (83.3)	
Worsened	7 (8.3)	12 (14.3)	
Problems in treatments during the pandemic			
No problem	62 (73.8)	55 (65.5)	*0.314*
Information related issues	11 (13.1)	13 (15.5)	*0.826*
Inaccurate information	5 (6.0)	4 (4.8)	*1*
Insufficient information	8 (9.5)	12 (14.3)	*0.476*
Visit to outpatient clinics	11 (13.1)	10 (11.9)	*1*
Side effects	4 (4.8)	4 (4.8)	*1*
Communication with physicians	3 (3.6)	1 (1.2)	*0.622*
Treatments received during the pandemic			
No treatment	47 (56.0)	35 (41.7)	*0.089*

Self-medication⁂	17 (20.2)	30 (35.7)	***0.039***
OPD visit to thoracic surgeons	8 (9.5)	6 (7.1)	*0.781*
OPD visit to dermatologist	2 (2.4)	4 (4.8)	*0.682*
Surgery	3 (3.6)	0 (0.0)	*0.246*
Diet therapy	7 (8.3)	6 (7.1)	*1*
Leisure activity	6 (7.1)	5 (6.0)	*1*
Herbal medicine	1 (1.2)	1 (1.2)	*1*
Mobile consultation	0 (0.0)	1 (1.2)	*1*
Health supplement	4 (4.8)	6 (7.1)	*0.746*
Others	8 (9.5)	10 (11.9)	*0.804*

OPD, outpatient department

¶ It includes inconvenience related to the use of smartphone and electronic devices

⁂ Over the counter drugs, aesthetic products and the use of topical agents such as aluminum chloride

Supplementary Figure S1(a). The Spearman's rank correlation between PHQ-9 and age

- **PHQ-9 and Age**
  - Spearman's rank correlation coefficient -0.264
  - P value = 0.0000691

Supplementary Figure S1(b). The Spearman's rank correlation between PHQ-9 and the hyperhidrosis duration

- **PHQ-9 and Hyperhidrosis duration**
  - Spearman's rank correlation coefficient -0.212
  - P value = 0.00149

Supplementary Figure S1(c). The Spearman's rank correlation between PHQ-9 and body-mass index

- **PHQ-9 and BMI**
- Spearman's rank correlation coefficient -0.127
- P value = 0.0597