

There were 112 patients satisfying the inclusion and exclusion criteria. All were invited to participate, and 102 (91%) agreed to participate in the study. Written informed consent was obtained from all the participants. There were 52 males and 50 females with a mean age of 24.78 years (s.d. = 2.5). Forty-six were from rural areas and 56 from urban. Details regarding the classification of patients according to the craniofacial anomalies are presented in Table 1. A similar number of controls, 50 males and 52 females (mean age 24.99 years, s.d. = 2.73), were selected as a convenience sample from the university students and employees who have no acquired or congenital facial deformity. Thirty-nine were from rural areas and 63 from urban. Participants with severe malocclusion as assessed by an orthodontist were not included. The exclusion criteria were the same as those of the case groups.

The questionnaire pack consisted of

1. An introductory section with basic demographic information including age, sex, and place of residence in terms of rural and urban.
2. Nepali version of DAS consisting of 59 items. Each item response is marked based on a Likert scale from 1 to 4, with 1 indicating 'almost never' and 4 indicating 'almost always'.
3. Nepali version of PIDAQ consisting of 23 items arranged in four domains. Each item response is marked based on a Likert scale from 0 to 4, with 0 indicating 'not at all' and 4 indicating 'very strongly.'

These questionnaires were administered to the participants by one author who is well trained in this procedure. The patients were seated in a private room, in the

**Table 2 Differences between the DAS 59 and PIDAQ scores for patients and controls**

Items	Group	Mean	Standard deviation	p value
General self-consciousness	Cases	49.29***	10.8	<0.001
	Controls	21.84***	3.2	
Social self-consciousness	Cases	58.23***	14.17	<0.001
	Controls	22.8***	2.40	
Sexual and bodily self-consciousness	Cases	24.26***	5.98	<0.001
	Controls	8.77***	2.09	
Negative self-concept	Cases	9.65***	3.16	<0.001
	Controls	16.91***	1.17	
Facial self-consciousness	Cases	12.02***	2.50	<0.001
	Controls	4.66***	1.06	
Physical	Cases	5.71***	1.60	<0.001
	Controls	2.65***	0.99	
Total DAS score	Cases	159.16***	31.54	<0.001
	Controls	77.64***	6.57	
Dental self-confidence	Cases	12.84***	3.10	<0.001
	Controls	11.11***	2.91	
Social impact	Cases	7.2**	3.36	0.004
	Controls	6.1**	1.72	
Psychological impact	Cases	6.33***	2.86	<0.001
	Controls	5.03***	1.92	
Aesthetic concern	Cases	6.88***	2.76	<0.001
	Controls	5.28***	1.62	
Dental self-consciousness	Cases	8.56***	4.20	<0.001
	Controls	6.65***	1.99	
Total PIDAQ score	Cases	33.25***	9.45	<0.001
	Controls	27.52***	5.67	

\* correlation is significant at the 0.05 level.

\*\* correlation is significant at the 0.01 level.

\*\*\*correlation is significant at the 0.001 level.