

## Supplementary Data

### Patterns of nonsyndromic tooth agenesis and sexual dimorphism

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**Supplementary Table 1. The prevalence of tooth agenesis.**

Gender	Number of patients		Prevalence (%)
	Examined (n)	Affected (n)	
Male	447	37	8.3
Female	643	64	9.9
Total	1090	101	9.3

**Supplementary Table 2. The number and percentage of tooth agenesis for each tooth type in the same side (right or left) between the maxillary and mandibular arches.**

Maxillary arch		Mandibular arch		P value	Maxillary arch		Mandibular arch		P value
Tooth number	Number, n (% of maxillary right teeth)	Tooth number	Number, n (% of mandibular right teeth)		Tooth number	Number, n (% of maxillary left teeth)	Tooth number	Number, n (% of mandibular left teeth)	
#11	0 (0)	#41	7 (9.1)	0.051 <sup>b</sup>	#21	2 (4.7)	#31	5 (8.5)	0.696 <sup>b</sup>
#12	19 (45.2)	#42	33 (42.8)	0.802 <sup>a</sup>	#22	16 (38.1)	#32	18 (30.5)	0.426 <sup>a</sup>
#13	3 (7.2)	#43	3 (3.9)	0.664 <sup>b</sup>	#23	1 (2.4)	#33	0 (0)	0.416 <sup>b</sup>
#14	10 (23.8)	#44	6 (7.8)	<b>0.014<sup>a</sup></b>	#24	10 (23.8)	#34	9 (15.2)	0.278 <sup>a</sup>
#15	10 (23.8)	#45	28 (36.4)	0.160 <sup>a</sup>	#25	12 (28.6)	#35	27 (45.8)	0.080 <sup>a</sup>
#16	0 (0)	#46	0 (0)	-	#26	1 (2.4)	#36	0 (0)	0.416 <sup>b</sup>
#17	0 (0)	#47	0 (0)	-	#27	0 (0)	#37	0 (0)	-

<sup>a</sup>Chi-square test. <sup>b</sup>Fisher exact test. A significant difference ( $P < 0.05$ ) indicates in bold and underlined.

**Supplementary Table 3. The number and percentage of tooth agenesis for each tooth type in the right and left sides.**

<b>Tooth type</b>	<b>Right side, n (% of right teeth)</b>	<b>Left side, n (% of left teeth)</b>	<b>Total, n (% of total)</b>	<b>Chi-square value</b>	<b><i>P</i> value</b>
Central incisor	7 (5.9)	7 (6.9)	14 (6.4)	0.101	0.751 <sup>a</sup>
Lateral incisor	52 (43.7)	34 (33.7)	86 (39.1)	2.310	0.129 <sup>a</sup>
Canine	6 (5)	1 (1)	7 (3.2)	-	0.128 <sup>b</sup>
First premolar	16 (13.5)	19 (18.8)	35 (15.9)	1.176	0.278 <sup>a</sup>
Second premolar	38 (31.9)	39 (38.6)	77 (35)	1.072	0.301 <sup>a</sup>
First molar	0 (0)	1 (1)	1 (0.4)	-	0.459 <sup>b</sup>
Second molar	0 (0)	0 (0)	0 (0)	-	-
Total, n (% of total)	119 (54.1)	101 (45.9)	220 (100)		

<sup>a</sup>Chi-square test. <sup>b</sup>Fisher exact test

**Supplementary Table 4. The number and percentage of tooth agenesis for each tooth type in the same dental arch (maxillary or mandibular) between the right and left sides.**

Maxillary arch					Mandibular arch				
Right side		Left Side			Right Side		Left Side		
Tooth number	Number, n (% of maxillary right teeth)	Tooth number	Number, n (% of maxillary left teeth)	<i>P</i> value	Tooth number	Number, n (% of mandibular right teeth)	Tooth number	Number, n (% of mandibular left teeth)	<i>P</i> value
#11	0 (0)	#21	2 (4.7)	0.494 <sup>b</sup>	#41	7 (9.1)	#31	5 (8.5)	0.900 <sup>a</sup>
#12	19 (45.2)	#22	16 (38.1)	0.507 <sup>a</sup>	#42	33 (42.8)	#32	18 (30.5)	0.140 <sup>a</sup>
#13	3 (7.2)	#23	1 (2.4)	0.616 <sup>b</sup>	#43	3 (3.9)	#33	0 (0)	0.258 <sup>b</sup>
#14	10 (23.8)	#24	10 (23.8)	1.000 <sup>a</sup>	#44	6 (7.8)	#34	9 (15.2)	0.169 <sup>a</sup>
#15	10 (23.8)	#25	12 (28.6)	0.620 <sup>a</sup>	#45	28 (36.4)	#35	27 (45.8)	0.268 <sup>a</sup>
#16	0 (0)	#26	1 (2.4)	1.000 <sup>b</sup>	#46	0 (0)	#36	0 (0)	-
#17	0 (0)	#27	0 (0)	-	#47	0 (0)	#37	0 (0)	-

<sup>a</sup>Chi-square test. <sup>b</sup>Fisher exact test.