Table 1. *Means and mean difference between chronological age and dental age estimated by the different methods under study*

Sex	CA(SD)	Method	DE(SD)	CA-DA(SD)	CI (95%)		Sig.*
Male (n = 243)	12.16 (3.47)	DEM	12.13 (2.84)	0.02 (1.40)	0.15	0.20	0.768
		CHA	12.05 (3.08)	0.10 (1.33)	0.27	1.25	0.209
Female (n = 273)	12.30 (3.36)	DEM	11.93 (2.57)	0.35 (1.50)	0.17	0.53	0.000
		CHA	11.73 (2.80)	0.55 (1.41)	0.39	0.72	0.000
Total (516)	12.23 (3.43)	DEM	12.02 (2.70)	0.20 (1.46)	0.07	0.32	0.002
		CHA	11.88 (2.94)	0.34 (1.39)	0.22	0.46	0.000

* Related-samples t-test. DEM: Demirjian et al method, CHA: Chaille et al method, CA: chronological age, DA: dental age, SD: standard deviation, CI: confidence interval, Sig: significance ($p < 0.05$).

Table 2. *Means and mean difference between chronological age and dental age estimated by the methods of Demirjian et al and Chaillet et al by age group, males*

AG (n)	CA (SD)	Methods	DA (SD)	CA-DA (SD)	CI Max.	Min.	Sig.*
6 (18)	6.45 (0.29)	DEM	7.53 (0.74)	−1.08 (0.75)	−1.45	−0.70	0.000
		CHA	7.10 (1.03)	−0.65 (1.09)	−1.20	−0.12	0.020
7 (15)	7.36 (0.32)	DEM	8.20 (0.64)	−0.83 (0.64)	−1.19	−0.48	0.000
		CHA	7.81 (0.61)	−0.45 (0.64)	−0.80	−0.09	0.017
8 (21)	8.56 (0.45)	DEM	9.40 (1.06)	−0.84 (0.88)	−1.25	−0.44	0.000
		CHA	9.29 (1.04)	−0.73 (0.87)	−1.13	−0.35	0.001
9 (19)	9.44 (0.37)	DEM	9.91 (1.34)	−0.46 (1.27)	−1.08	0.14	0.129
		CHA	9.58 (1.27)	−0.13 (1.25)	−0.74	0.46	0.637
10(18)	10.36(0.26)	DEM	10.83(1.48)	−0.46(1.53)	−1.22	0.29	0.213
		CHA	10.57(1.57)	−0.20(1.64)	−1.02	0.61	0.604
11(30)	11.40(0.29)	DEM	11.61(0.99)	−0.21(1.04)	−0.59	0.17	0.278
		CHA	11.22(0.95)	0.18(1.01)	−0.19	0.55	0.340
12(26)	12.46(0.31)	DEM	12.66(0.93)	−0.20(1.02)	−0.62	0.22	0.338
		CHA	12.47(1.13)	−0.02(1.19)	−0.51	0.47	0.941
13(15)	13.40(0.27)	DEM	13.63(1.08)	−0.23(1.08)	−0.83	0.36	0.418
		CHA	13.41(1.11)	−0.02(1.09)	−0.62	0.58	0.947
14(19)	14.46(1.13)	DEM	14.24(1.13)	0.22(1.22)	−0.36	0.81	0.441
		CHA	14.10(1.17)	0.35(1.29)	−0.26	0.98	0.245
15(17)	15.38(0.23)	DEM	15.08(1.44)	0.29(1.48)	−0.46	1.05	0.426
		CHA	15.39(1.26)	−0.11(1.30)	−0.68	0.65	0.971
16(14)	16.40(0.28)	DEM	15.32(1.27)	1.07(1.18)	0.39	1.76	0.005
		CHA	15.37(1.33)	1.02(1.27)	0.29	1.75	0.010
17(19)	17.61(0.24)	DEM	15.74(0.25)	1.86(0.30)	1.72	2.01	0.000
		CHA	16.07(0.11)	1.53(0.30)	1.39	1.68	0.000
18(11)	18.31(0.32)	DEM	15.72(0.30)	2.59(0.40)	2.31	2.86	0.000
		CHA	15.88(0.46)	2.43(0.45)	2.12	2.73	0.000

* Related-samples t-test. DEM: Demirjian et al method, CHA: Chaille et al method, AG: age group, CA: chronological age, DA: dental age, SD: standard deviation, CI: confidence interval, Max.: maximum, Min.: minimum, Sig: significance ($p < 0.05$).

Table 3. *Means and mean difference between chronological age and dental age estimated by the methods of Demirjian et al and Chaillet et al by age group, females*

GE(n)	EC (DE)	Métodos	ED(DE)	EC–ED (DE)	CI Max.	CI Min.	Sig.*
6(14)	6.55(0.31)	DEM	7.54(1.11)	−0.98(1.27)	−1.72	−0.24	0.013
		CHA	7.22(1.07)	−0.66(1.26)	−1.40	0.06	0.071
7(17)	7.49(0.29)	DEM	8.05(0.70)	−0.56(0.63)	−0.89	−0.23	0.003
		CHA	7.52(0.66)	−0.02(0.59)	−0.33	0.27	0.841
8(21)	8.47(0.30)	DEM	9.46(1.02)	−0.99(0.98)	−1.44	−0.54	0.000
		CHA	9.00(0.85)	−0.53(0.79)	−0.89	−0.16	0.000
9(20)	9.30(0.28)	DEM	9.85(0.90)	−0.55(0.93)	−0.99	−0.11	0.015
		CHA	9.34(1.12)	−0.24(1.12)	−0.77	0.28	0.344
10(27)	10.40(0.30)	DEM	10.75(0.97)	−0.34(1.10)	−0.78	0.09	0.113
		CHA	10.18(1.10)	0.22(1.20)	−0.25	0.70	0.344
11(30)	11.33(0.24)	DEM	11.59(0.91)	−0.26(0.91)	−0.60	0.08	0.131
		CHA	11.03(1.16)	0.29(1.20)	−0.15	0.76	0.187
12(23)	12.45(0.31)	DEM	11.93(1.08)	0.43(1.01)	−0.01	0.87	0.051
		CHA	11.89(1.08)	0.55(1.00)	0.11	0.98	0.015
13(29)	13.47(0.46)	DEM	12.87(1.40)	0.60(1.35)	0.08	1.11	0.024
		CHA	12.89(1.41)	0.58(1.37)	0.05	1.10	0.030
14(24)	14.41(0.26)	DEM	13.42(1.45)	0.99(1.46)	0.37	1.61	0.003
		CHA	13.58(1.52)	0.82(1.53)	0.18	1.47	0.030
15(21)	15.40(0.33)	DEM	14.55(1.28)	0.85(1.28)	0.26	1.43	0.003
		CHA	14.47(1.51)	0.93(1.55)	0.22	1.63	0.011
16(15)	16.53(0.28)	DEM	15.07(0.87)	1.46(0.95)	0.93	1.98	0.007
		CHA	15.28(0.92)	1.25(1.02)	0.68	1.81	0.012
17(13)	17.58(0.28)	DEM	15.42(0.14)	2.16(0.32)	1.96	2.35	0.000
		CHA	15.55(0.10)	2.02(0.30)	1.84	2.20	0.000
18(15)	18.61(0.30)	DEM	15.43(0.12)	3.18(0.31)	3.00	3.35	0.000
		CHA	15.55(0.10)	3.06(0.32)	2.88	3.24	0.000

* Related-samples t-test. DEM: Demirjian et al method, CHA: Chaille et al method, AG: age group, CA: chronological age, DA: dental age, SD: standard deviation, CI: Confidence interval, Max.: maximum, Min.: minimum, Sig: significance ($p < 0.05$).

Table 4. *Summary of the chronological age-dental age difference in the various samples in which the methods of Demirjian et al (1976)[11] and Chaillet et al[12] were used*

| Country | Author | Year | Place | Sample | | | Age range (years) | CA-DA difference | |
				Total	Male	Female		Male	Female
Argentina	Poletto and Giménez[6]	2012	Cuyo	374	-	-	5-17	DEM: –0.4^	DEM: –0.4^
Australia	Flood et al[14]	2013	Adelaide	408	211	197	4.9-14.5	DEM: –0.49	DEM: 0.75^
Brazil	Eid et al[4]	2002	São Paulo	689	321	368	6-14	DEM: –0.68	DEM: –0.61
Bosnia-Herzegovina	Galic et al[25]	2013	Sarajevo	1772	792	980	6.04-14.90	CHA: –0.28	CHA: –0.09
China	Ye et al[20]	2014	Shanghai	940	410	531	7-14	DEM: –1.68	DEM: –1.28
Korea	Lee et al[13]	2011	Seoul	1483	754	729	3-16	DEM: –0.002 CHA: 0.37	DEM: –0.11 CHA: 0.31
Spain	Cruz-Landeira et al[2]	2009	Galicia	308	151	157	4-17	DEM: –0.76 CHA: –0.37	DEM: –0.88 CHA: –0.21
France	Urzel et al[7]	2013	Bordeaux, Mont-de-Marsan, Floirac	743	357	386	4-15	DEM: –0.46 CHA: 0.18	DEM: –0.45 CHA: 0.59
Iran	Abesi et al[18]	2013	Babol	168	84	84	7-15	DEM: –0.72	DEM: –0.05
Iran	Bagherian and Sadeghi[5]	2011	Rafsanjan	519	264	255	3.5-13.5	DEM: –0.19	DEM: –0.15
Paraguay	Funk et al[10]	2015	Asunción	390	172	218	3-15.9	DEM: –0.94	DEM: –0.92
Peru	Peña[9]	2010	Lima	321	167	154	5.5-13.5	DEM: –0.58	DEM: –0.50
Tunisia	Aissaoui et al[15]	2016	Monastir	280	145	135	3-16	DEM: –0.30	DEM: –0.26
Turkey	Nur et al[16]	2012	Trabzon	673	342	331	5-15.9	DEM: –0.86	DEM: –0.89
Venezuela	Cruz-Landeira et al[2]	2009	Mérida	200	103	97	4-17	DEM: 0.23 CHA: 0.48	DEM: 0.10 CHA: 0.61
Venezuela	Medina[3]	2014	Caracas	238	117	121	5-13	DEM*: –0.90	DEM*: –0.96
Venezuela	Ortega-Pertuz and Martínez[24]	2015	Maracaibo	342	170	172	6-20	DEM: –0.40	DEM: 0.48
Venezuela	Tineo et al[23]	2006	Maracaibo	30	16	14	6-12	DEM*: –0.99^	DEM*: –1.02^
Yugoslavia	Arbankova et al[19]	2014	Skopje	966	481	485	6-13	DEM: –0.86	DEM: –0.99

*CA: chronological age, DA: dental age, DEM: Demirjian et al method, CHA: Chaille et al method, ^ calculation obtained from table in original article, * original version of the Demirjian method (1973)*