

Table 1. Sample distribution by chronological age

Age group	aF	rF
0-9	2	1.0
10-19	24	12.0
20-29	45	22.5
30-39	34	17.0
40-49	30	15.0
50-59	37	18.5
60-69	22	11.0
70-79	6	3.0
Total	200	100

aF: absolute frequency, rF: relative frequency (%)

Table 2. Frequency of anatomical variants of the temporal component of the temporomandibular joint by sex

Sex	Anatomical variant				Total	
	Presence		Absence		aF	rF
	aF	rF	aF	rF		
Female	28	14.0	123	61.5	151	75.5
Male	10	5.0	39	19.5	49	24.5
Total	38	19.0	162	81.0	200	100.0

aF: absolute frequency, rF: relative frequency (%)

Table 3. Frequency of anatomical variants of the temporal component of the temporomandibular joint by age group

Age groups	Anatomical variant						Total	
	PAT		DMF		Absence		aF	rF
	aF	rF	aF	rF	aF	rF		
0-9	0	0.0	0	0.0	2	1.0	2	1.0
10-19	6	3.0	0	0.0	18	9.0	24	12.0
20-29	7	3.5	1	0.5	36	18.0	44	22.0
30-39	5	2.5	1	0.5	27	13.5	33	16.5
40-49	4	2.0	1	0.5	26	13.0	31	15.5
50-59	4	2.0	2	1.0	32	16.0	38	19.0
60-69	4	2.0	1	0.5	18	9.0	23	11.5
70-79	1	0.5	1	0.5	3	1.5	5	2.5
Total	31	15.5	7	3.5	162	81.0	200	100

PAT: pneumatized articular tubercle; DMF: discontinuity of the mandibular fossa; aF: absolute frequency; rF: relative frequency (%)

Table 4. Frequency of the anatomical variants of the temporal component of the temporomandibular joint per laterality

Anatomical variant	Unilateral		Bilateral	
	aF	rF	aF	rF
PAT	15	48.4	16	51.6
DMF	6	85.7	1	14.3

PAT: pneumatized articular tubercle; DMF: discontinuity of the mandibular fossa; aF: absolute frequency; rF: relative frequency (%)

Table 5. Incidence of pneumatized articular tubercle (PAT) of the temporal bone observed in orthopantomography, as reported in the literature

Year	Author	Sample	PTA (%)	Age range	Mean age	Sex		Laterality	
						Female(%)	Male(%)	Unilat(%)	Bilat(%)
1985	Tyndall & Matteson ¹¹	1061	28(2.6)	15-74	32.5	15(53.6)	13(46.4)	5(17.9)	23(82.1)
1986	Kougar et al ¹³	784	8(1.8)	32-69	45.9	7(87.5)	1(12.5)	4(50.0)	4(50.0)
1999	Carter et al ¹⁴	2734	40(1.5)	17-83	49.6	20(50.0)	20(50.0)	32(80.0)	8(20.0)
2001	Hoffman et al ¹⁵	1084	20(1.8)	77-87	43.2	11(55.0)	9(45.0)	16(80.0)	4(20.0)
2005	Orhan et al ¹	1006	19(1.8)	11-90	36.6	12(63.1)	7(36.9)	12(63.1)	7(36.9)
2006	Orhan et al ¹⁶	1049	17(1.6)	7-16	11.2	8(47.1)	9(52.9)	10(59.0)	4(41.0)
2009	Yayuz et al ²	8107	83(1.0)	10-75	26.9	41(49.4)	42(50.6)	56(67.5)	27(32.5)
2010	Srikanth HS et al ¹⁷	600	15(2.5)	20-50	30.2	8(53.3)	7(46.6)	9(60.0)	6(40.0)
2012	Park et al ¹⁸	1400	31(2.2)	9-55	27.5	9(29.0)	22(70.9)	24(17.4)	7(22.6)
2012	Gadda et al ¹⁹	400	11(2.7)	18-65	33.9	5(45.4)	6(54.5)	1(9.1)	10(90.9)
2012	Patil et al ²⁰	7755	141(1.8)	19-75	36.9	50(35.4)	91(64.5)	107(75.8)	34(24.1)
2012	Zamaninazer et al ⁴	2600	94(3.6)	6-81	27,40	59(62.8)	35(37.2)	70(74.5)	24(25.5)
2013	Gupta et al ²¹	800	46(5.7)	4-60	31,43	17(36.6)	26(63.4)	16(34.8)	30(65.2)
2014	Srivahsa et al ²²	1688	50(2.9)	7-18	13,86	27(54.0)	23(46.0)	38(76.0)	12(24.0)
2015	Kishore et al ²³	2500	63(2.5)	19-78	37,40	25(39.6)	38(60.3)	44(69.8)	19(30.1)
2016	Nagaraj et al ²⁴	600	16(2.7)	10-59	25,00	6(37.5)	10(62.5)	11(68.7)	5(31.2)
Total		37991	750(1,9)	6-90	32,32	359(47.8)	388(52.1)	497(66.2)	250(35.7)

Unilt: unilateral; Bilat: bilateral.

Table 6. Incidence of pneumatized articular tubercle (PAT) of the temporal bone observed by computed tomography methods, as reported in the literature

Year	Author	Sample	Method	PTA (%)	Age range	Mean Age	Sex		Laterality	
							Female(%)	Male(%)	Unilat(%)	Bilat.(%)
2011	Miloglu et al ³	514	CBCT	41(8.0)	5-62	30.6	25(61.0)	16(39.0)	31(75.6)	10(24.4)
2013	Ladeira et al ⁵	658	CBCT	140(21.3)	11-85	43.0	-	-	76(54.3)	64(45.7)
2014	Bronoosh et al ²⁵	225	CT	43(9.5)	8-67	-	24(55.8)	19(44.1)	24(55.8)	19(44.1)
2015	Ilguy et al ²⁶	111	CBCT	73(65.8)	-	48.8	-	-	31(27.9)	42(72.1)
2017	Shamshad ⁶	100	CT	12(12.0)	18-65	34.9	-	-	8(66.6)	4(33.3)
2018	Khojastepoor et al ¹⁰	327	CBCT	251(76.7)	9-65	30.5	112(44.6)	139(55.4)	76(30.3)	175(69.7)
2018	Presente estudio	200	CT	31(15.5)	10-79	42.8	21(67.7)	10(31.2)	15(48.3)	16(51.6)
Total		2135		591(27.6)	5-85	38.4	-	-	261(44.1)	330(55.8)

CBCT: cone beam computed tomography; CT: computed tomography; Unilt: unilateral; Bilat: bilateral.