

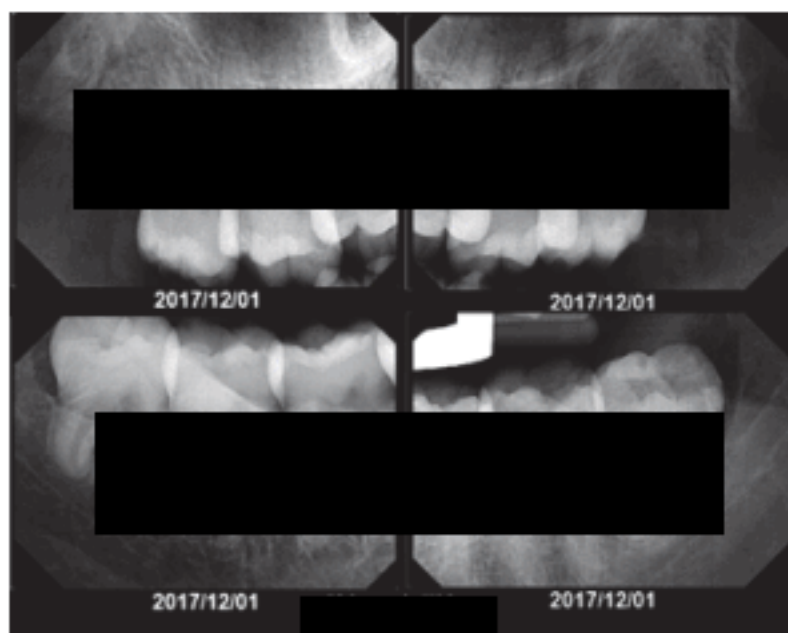
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Date: 12/01/2017 **Case #:** [REDACTED]
First Name: [REDACTED] **Last Name:** [REDACTED]
Sex: [REDACTED] **Ancestry:** Unknown
Reported DOB: [REDACTED] **Nationality:** Afganistan
Reported Age: [REDACTED]
Case Agency: [REDACTED]
Location: University of Texas Health Science Center at San Antonio
Odontologist: David R. Senn, DDS, D-ABFO (TX 09119)
Radiologist: Radiograph(s) provided by client
Photographer: Photograph(s) provided by client



		Maxillary	Calculated Statistical Data	
Right		G	H	Avg. Mean Age: 19.87
		H	H	2 Std. Dev.: 3.31
		Mandibular		Age Range -: 16.56
				Age Range +: 23.18
				Avg. E.P.: 79.52

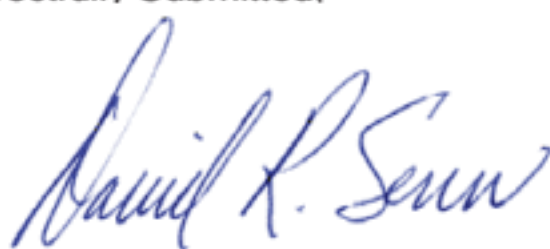
The data reported above are calculated using the molar development method as an estimator of chronological age. The staging method is based on Demirjian A, Goldstein H, Tanner JM. A new system of dental age assessment. Hum Biol 1973;45(2):211-27. The statistical data is derived from the averaged data obtained from that of Mincer HH, Harris EF, Berryman HE. The A.B.F.O. Study of third molar development and its use as an estimator of chronological age. J Forensic Sci 1993;38(2):379-90.; Arany S, Iino M, Yoshioka N. Radiographic survey of third molar development in relation to chronological age among Japanese juveniles. J Forensic Sci 2004;49(3):534-38.; Kasper KA, Austin D, Kvanli A, Rios TR, Senn DR. Reliability of Third Molar Development for Age in a North Texas Hispanic Population: A Comparison Study. J Forensic Sci 2009;54(3):651-657.; and Blankenship JA, Mincer HH, Anderson KM, Woods MA, Burton EL. Third Molar Development in the Estimation of Chronologic Age in American Blacks as Compared With Whites. J Forensic Sci 2007;52(2):428-433. All of the teeth were considered, with special emphasis placed on the development of the third molars present.

The periapical and bitewing radiographs provided and made on 12/1/2017 were reviewed. [REDACTED] appears to have 32 permanent teeth. (One lower anterior radiograph is missing from the series) All teeth present except the upper right 3rd molar (#1) are fully developed. The teeth and surrounding soft and hard tissues appear to be within normal limits. No pathology is noted.

Conclusion:

Based upon radiographic analysis of [REDACTED] using the above stated published statistical data, I conclude that the mean age for a male with third molar development equal to that of [REDACTED] is 19.87 plus or minus 3.31 years. The range of possible ages for such a male is 16.56 to 23.18 years. The empirical statistical probability of [REDACTED] having attained 18 years of age is 79.52%.

Respectfully Submitted,



Digitally signed by David R. Senn
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 Odontology, email=senn@uthscsa.edu, c=US
 Date: 2017.12.12 17:44:59 -06'00'