

' JYFE " QQBSBUVT . FEJDBUJPO PG B 4LFMFUB
. BMPDDMVTJPO XJUI) ZQPNBUVSF " NFMPHFOF

Halimi A ^{1*}, El alloussi M ² 6 H ¿ D³QDLQSG = DRXL)

Keywords:

&LWDWLRQ

history, her father had amelogenesis imperfecta.

Periapical radiographs demonstrated blended dentition, presence of the 65 and germs of all third molars (Figures 3- 8).

Cephalometric dissection indicated a skeletal Class II association with an ANB plot of 8°. The measure of the mandible was minor and it was ordinary.

5 H I H U H Q F H V

1. Weinmann JP, Svoboda JF, Woods RW (1945) Hereditary disturbances of H Q D P H O I R U P D W L R Q D Q G F D O F L ç F D W L R Q - \$ P ' H Q
2. Aldred MJ, Savarirayan R, Crawford PJ (2003) Amelogenesis imperfecta: a F O D V V L ç F D W L R Q D Q G F D W D O R J X H I R U W K H V W F
3. Neville BW, Damm DD, Allen CM, Bouquot JE (2002) Oral and maxillofacial pathology 2nd ed. Philadelphia: Elsevier 89-94.
4. Robinson FG, Haubenreich JE (2006) Oral rehabilitation of a young adult with hypoplastic amelogenesis imperfecta: a clinical report. J Prosthet Dent 95: 10-13.
5. Rao S, Witkop CJ Jr (1971) Inherited defects in tooth structure. Birth Defects Orig Artic Ser 7: 153-184.
6. Bäckman B, Holm AK (1986) Amelogenesis imperfecta: prevalence and incidence in a northern Swedish county. Community Dent Oral Epidemiol 14: 43-47.
- 7.

alternately skeletal open nibble malocclusion and AI remains unclear [22,25-28].

Case Presentation

The patient was a 10-year-old Moroccan female with an intense skeletal Class II open nibble malocclusion, tongue brokenness. The head dissention was the maxillary bulge and gathering. In her family

nonsense mutation in the enamelin gene causes local hypoplastic autosomal dominant amelogenesis imperfecta (AIH2). *Hum Mol Genet* 11: 1069-1074.

18. Rajpar MH, Harley K, Laing C, Davies RM, Dixon MJ (2001) Mutation of the JHQH HQFRGLQJ WKH HQDPHO VSHFL¿F SURWH L Q H O D P H O L Q F D X V V U D X W B V R P D dominant amelogenesis imperfecta. *Hum Mol Genet* 10: 1673-1677.

19. Hart PS, Wright JT, Savage M, Kang G, Bensen JT, et al. (2003) Exclusion RI FDQGLGDWH JHQHV LQ WZR IDPLOLHV ZLWK D X W R V R P D O G R P L O D O W K S R E D O E L H G amelogenesis imperfecta. *Eur J Oral Sci* 111: 326-331.

20. Ravassipour DB, Hart PS, Hart TC, Ritter AV, Yamauchi M, et al. (2000) Unique enamel phenotype associated with amelogenin gene (AMELX) codon 41 point mutation. *J Dent Res* 79: 1476-1481.

21. Hart PS, Hart TC, Michalec MD, Ryu OH, Simmons D, et al. (2004) Mutation in kallikrein 4 causes autosomal recessive hypomaturation amelogenesis imperfecta. *J Med Genet* 41: 545-549.

22. Bäckman B, Adolfsson U (1994) Craniofacial structure related to inheritance pattern in amelogenesis imperfecta. *Am J Orthod Dentofacial Orthop* 105: 575-582.

23. Cartwright AR, Kula K, Wright TJ (1999) Craniofacial features associated with amelogenesis imperfecta. *J Craniofac Genet Dev Biol* 19: 148-156.

24. Wright JT, Waite P, Mueninghoff L, Sarver DM (1991) The multidisciplinary approach managing enamel defects. *J Am Dent Assoc* 122: 62-65.

25. Hoppenreijts TJ, Voorsmit RA, Freihofer HP (1998) Open bite deformity in amelogenesis imperfecta. Part 1: An analysis of contributory factors and implications for treatment. *J Craniomaxillofac Surg* 26: 260-266.

26. Witkop CJ, Sauk JJ (1976) Heritable Defects of Enamel. In: Stewart R, Prescott G, editors. *Oral facial genetics*. St. Louis: C.V. Mosby Company 151-226.

27. Rowley R, Hill FJ, Winter GB (1982) An investigation of the association between anterior open-bite and amelogenesis imperfecta. *Am J Orthod* 81: 229-235.

28. Nishimura K, Hidaka K, Kitagawa H, Goto S (2006) Orthodontic correction of a skeletal Class III malocclusion with impacted maxillary second molars and amelogenesis imperfecta orthodontic waves 65: 43-49.

& L W D W D R Q P L \$ (O D O O R X V V L (2 0 1 8) F i x e d A p p a r a t u s M e d i c a t i o n o f a S k e l e t a l C l a s s I I O p e n C h o m p M a l o c c l u s i o n w i t h H y p o m a t u r e A m e l o g e n e s i s B l e m i s h e d : C a s e R e p o r t . J N o v P h y s i o t h e r 3 : 1 3 7 . d o i : 1 0 . 4 1 7 2 / 2 1 6 5 - 7 0 2 5 . 1 0 0 0 1 3 7

Submit your next manuscript and get advantages of OMICS Group submissions

Unique features:

- ‡ 8 V H U L H Q G O \ Z I H H E W L W E B H R W D X S D S B N I Z R O O G D O D D Q J X D J H V
- ‡ \$ X G L R U V L R O C E O I S D K S H G
- ‡ ' L J L D W D W R B E D U H G S O R U H

Special features:

- ‡ 2 S H S F F H R Y X U Q D O V
- ‡ H G L W R W U D O
- ‡ G D W D S L L H Y S H Z F H V V
- ‡ 4 X D O L O T X L H F O L W R W U Y D I O S X E O L S D W E R W V L Q J
- ‡ , Q G H D L W K E O H S C D U W E B O % 6 & 2 0 G M R S H U D D Q T R R W O F H K R O D V F J
- ‡ 6 K D U L S Q W I B R G I B W Z R L O N L E C H G
- ‡ \$ X W K S R N Y V H Z Q C E V W R R I Z D U Z G R O C S I F Q H Q W H S E W V
- ‡ % H V G W H E R X J O W L K E V H D W W Q F O H V
- 6 X E R R W D Q X V D F W S W S Z Z Z R P L F V R Q O L Q H R U J V X E P L V L R Q