

CASE OF THE MONTH



November 2023

Patient presents with the following chief concerns and malocclusion:



1.) Mouth breathing, snoring, restless sleep and previous thumb sucking habit until approximately age 7

2.) Anterior and lateral open bites are present with increased generalized gingival inflammation

3.) Class I malocclusion with moderate crowding of the maxillary arch and mild crowding of the mandibular arch

4.) Blocked-out and ectopically erupting maxillary canines which are also displacing the maxillary lateral incisors



Treatment Plan:



- 1.) Non-extraction treatment plan with a mini-Hyrax expander to address the patient's constricted maxillary arch and airway concerns
- 2.) Maxillary expansion with mini-Hyrax followed by maxillary and mandibular fixed appliances (braces)
- 3.) Alignment and development of maxillary and mandibular archforms.
- 4.) Anterior and posterior open bites were corrected with intermaxillary elastics



This amazing result was achieved in just over 1 year! The final photos display well developed maxillary and mandibular arches with an ideal class I occlusion. Anterior and posterior open bites are reported in the literature to have potentially high rates of relapse. Therefore, upper and lower fixed retainers were bonded in the anterior regions, and upper and lower clear vacuum formed retainers were fabricated for this patient as well. This patient was compliant with the prescribed intermaxillary elastics to help achieve this outstanding result!

TOTAL TREATMENT TIME: 15 MONTHS



**Profile enhanced: Improved health,
function and esthetics!**