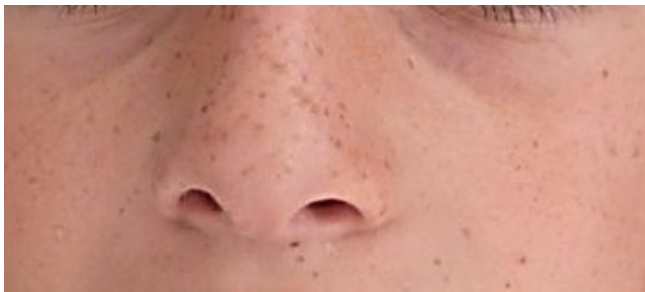


BIPROTRUSION AND ORBITAL ASYMMETRY

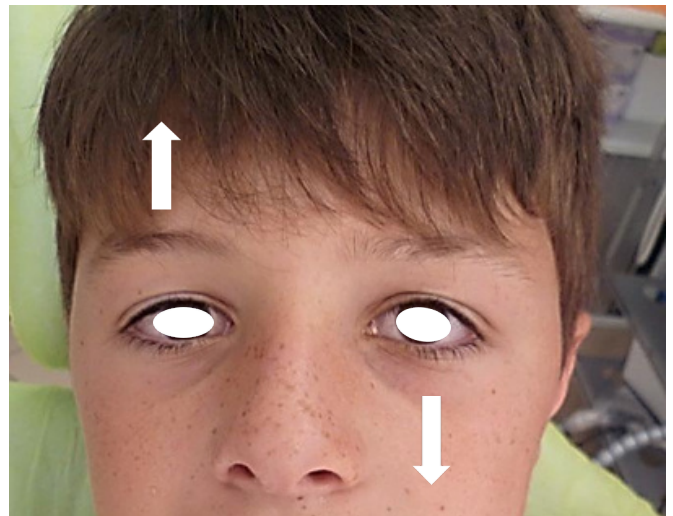
Dr. Pietro Manzini



THE 9-YEAR-OLD MALE PATIENT PRESENTS A "SUCTION-SWALLOWING" TYPE OF SWALLOWING, AND THE USE OF FROGGMOUTH IS PRESCRIBED.



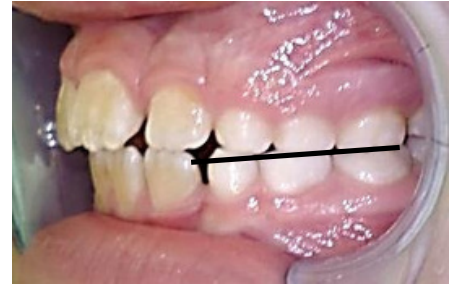
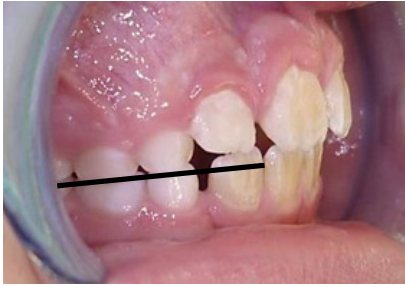
THE PATIENT ALSO PRESENTS
ORAL BREATHING AND ORBITAL
ASYMMETRY.



THE CONTRACTION OF THE MYRTIFORM MUSCLE (NASAL SEPTUM DEPRESSOR MUSCLE) CAUSES THE CONSTRICTION OF THE NOSTRILS AND THE LOWERING OF THE NASAL ALA. IT IS THE ANTAGONIST OF THE NASAL DILATOR MUSCLES.

IN THE PRESENCE OF ORBITAL ASYMMETRY AND A SHIFT IN THE BICOMMISSURAL PLANE, WE ARE FACING A SPHENOIDAL ASYMMETRY. WHEN THE SPHENOID LOSES ITS SYMMETRY, A GROWTH DIFFERENTIAL OCCURS BETWEEN THE GREATER WINGS, CREATING ORBITAL ASYMMETRY AND ASYMMETRIC LENGTH OF THE PTERYGOID PROCESSES. THIS RESULTS IN INTRA-ARCH ASYMMETRY WITH A SEPARATION OF THE MAXILLO-PALATAL SUTURE.

BEFORE



AFTER 2 MONTHS OF THE FROGGY MOUTH PROTOCOL



AFTER 10 MONTHS OF THE FROGGY MOUTH PROTOCOL



BEFORE

AFTER 2 MONTHS

AFTER 10 MONTHS



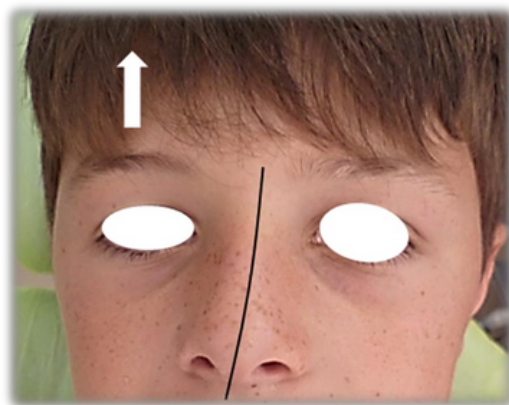
FROGGY MOUTH

THE STRETCHING OF THE UPPER LIP FAVORS THE RELAXATION OF THE MYRTIFORM MUSCLE AND FIRST STIMULATES, THEN STRENGTHENS, THE NASAL DILATOR MUSCLES.



BEFORE

AFTER 10 MONTHS



CRANIOFACIAL ASYMMETRY - DEVIATED NASAL PYRAMID



REBALANCING OF CRANIOFACIAL ASYMMETRY, CORRECTION OF NASAL PYRAMID DEVIATION, AND ACQUISITION OF NASAL BREATHING

IN DYSFUNCTIONAL SWALLOWING, THE BUCCINATOR MUSCLES ALLOW SWALLOWING OF FOOD/SALIVA ONLY THROUGH THE COMPRESSION EXERTED ON THE DENTAL ARCHES, WHICH CAUSES ALTERATIONS WITH DEVIATIONS OF THE PALATE AND NASAL SEPTUM, INFLAMMATIONS, AND HYPERTROPHY OF THE ADENOIDS. THESE, DUE TO THE ONSET OF ORAL BREATHING, INCREASE THEIR WORKLOAD DUE TO MUCUS RETENTION.

IN CONGENITAL CASES, THE CURVATURE OF THE CARTILAGE OF THE SEPTUM IS A CONSEQUENCE OF THE DISHARMONIC DEVELOPMENT OF THE RIGID STRUCTURES THAT MAKE UP THE BONY PORTION OF THE NASAL SEPTUM (VOMER, PERPENDICULAR PLATE OF THE ETHMOID BONE, PALATINE PROCESS, AND MAXILLARY PROCESS).



FROGGYMOUTH