

## TREATED CASES • THIRD CLASS

B.P. female, 3 years old, presented with skeletal Class III malocclusion, Class III molar and canine right and left, anterior reverse bite.



The therapy involves the use of the A.M.C.O.P. TC which is an elastodontic appliance expressly dedicated to the treatment of Class III malocclusions in deciduous, mixed and permanent dentition, between 3 and 12 years of age. Its purpose is to prevent mandibular slippage and to free the premaxilla to obtain a correct anterior relationship, thus creating a Class I occlusion that prevents recurrences of Overjet and Overbite. Another function is to act by stimulating maxillary growth and inhibiting mandibular growth, modifying the Overjet; it is therefore a myofunctional regulator that tends to rebalance muscular forces correctly: it rehabilitates tongue posture, re-educates swallowing and stimulates correct breathing.



### Materials and Methods

This type of malocclusion is present in the parents.

The treatment plan provides for the use of an A.M.C.O.P. TC elastodontic appliance, to be worn for 1 hour during the day and every night in a passive mode for the first 6 months and then for a further 10 months only at night in order to restore a Class I bilateral molar-canine relationship and the correct maxillary advancement and inhibit excessive mandibular growth. After the skeletal problem has been solved, the case is monitored with six-monthly visits in order to re-intervene if the problem occurs again. Once the correction of the molar and anterior ratio has been achieved, the appliance will be worn by the patient only during the night to stabilise the result obtained and guide the eruption of the permanent teeth.

### Results

The results obtained show the great importance of elastodontic therapy in restoring normal occlusion very quickly, given the plasticity of skeletal structures at the age of 3 years. The A.M.C.O.P. TC appliance can be used effectively for Class III dental and skeletal malocclusions, provided there is sufficient skeletal growth in the same direction.

