



NorthStar Standard

Bands or stainless steel crowns are placed on the first molars for anchorage. A TPA with omega loop is used to create positive pressure. Rests are placed on the lower first bicus-pids.



Mayes

In his version of the Herbst appliance, Dr. Joe Mayes utilizes first molars for anchorage, and places a LLA in the lower. Molar tubes may also be incorporated.



Smith I

In addition to the LLA, and anchorage on the first molars, Dr. Smith incorporates rests on the lower bicus-pids and tubes on the upper mo-lars.



Bondable w/Expansion

A metal framework ex-tends from the bicus-pids to the molars. It includes an upper ex-pansion screw, TPA and LLA. Strong transparent acrylic is used for bonding.

Invented in 1909 by German orthodontist Emil Herbst (1872-1940), the goal of the Herbst® appliance is to stimulate mandibular growth in the treatment of Class II malocclusions (Pancherz, 2003, p.3-4). The design is ingenious: rod and piston mechanics produce mandibular advancement and bite closure while allowing comfortable jaw movements. A Herbst® appliance is fully contained within the mouth and is only slightly visible when the patient smiles. Compliance is never a question with a fixed appliance. When choosing a lab to create your Herbst®, two key things to consider are strength of materials and anchorage options. NorthStar uses the highest quality materials available for the construction of our Herbst® appliances. We also offer a number of anchorage options. Simply choose a base design and let our skilled technicians create a custom Herbst® that will help you meet your treatment objectives.

HERBST is a registered trademark of Dentaaurum, Inc.

Pancherz, H. (2003) History, Background, and Development of the Herbst Appliance. *Seminars in Orthodontics*. 19(1). 3-11.