

Frequently asked questions Herbst Developer (HD™)

What is the Herbst Developer?

The Herbst Developer is the most efficient, secure Class II treatment device for correcting mandibular position in the very common type of jaw or tooth misalignment, the posterior positioning of the mandible with regard to the maxilla (distocclusion). The goal of the treatment is to move/keep the mandible forward by re-training the muscles in the first step and then effecting reconstruction in the area of the teeth, the jaw and the mandibular joints. In addition, the device creates space in the maxilla and can also be used to close gaps in the mandible; it also triggers growth of the mandible.

The Herbst developer (HD) is harder than the device for similar applications the Flex Developer (FD) as it can lengthen through a telescopic connection and provides double security when the mouth is opened. Which device is better suited for treatment in individual cases can be determined from the diagnoses of the mandibular joint, the musculature and the tooth/jaw position and the age of the patient.

For which indications is the HD™ used?

- Closing slight gaps in the lower jaw
- Light Headgear effect in the maxilla
- Positive effect on mandibular joint problems
- Promoting skeletal mandibular growth during the pre- and post-pubertal growth phase
- Distocclusion with minimal residual growth
- Dental Class II (also unilateral)
- Non-Surgical bite conversion in adults
- Aplasia (indexed gap closure)
- Temporomandibular joint functions/sleep apnoea



What are the advantages of HD™ compared to its competitors?

Basically, the biological action of the HD corresponds with that of removable braces. The essential difference in comparison with the removable treatment method is that the HD is inserted securely and therefore acts for 24 hours. This has the following major advantages over removable orthodontic appliances:

- Extremely effective action, regardless of the patient's cooperation, thus the cooperation of the patient is no longer a decisive factor
- The treatment is painless and comfortable; after a short period for the wearer to become accustomed to it, either speech nor eating are impaired.
- The treatment time is only 6-8 months
- Treatment continues to be possible into adulthood, even after the end of the growth period

Patient advantages:

- Adapts ideally to the lateral oral vestibule through its slim and slightly curved shape,
- The HD's ball joint at both ends of the device also allows lateral jaw movements during mastication, which increases lasting wearing comfort for the patient that is not provided by the comparable competitive products

User advantages:

- universal size; adjustable length for each individual case through slightly curved rectangular telescope construction
- quick and easy handling during installation and removal of the device; it is easy to open the eyes and close them again using pressure with pliers
- various accessories (such as tiger mini mold) available to support therapy