



**Auflage:** 1st Edition 2008  
**Seiten:** 266  
**Abbildungen:** 1089  
**Einband:** Hardcover  
**ISBN:** 978-1-85097-169-6  
**Artikelnr.:** 14591  
**Erschienen:** Mai 2008

#### Quintessenz Verlags-GmbH

📍 Ifenpfad 2-4  
12107 Berlin  
Deutschland

☎ +49 (0) 30 / 76180-5

📠 +49 (0) 30 / 76180-680

✉ info@quintessenz.de

🌐 <http://nginx/deu/de>

## Buch-Information

**Autoren:** Hans Pancherz / Sabine Ruf  
**Titel:** The Herbst Appliance  
**Untertitel:** Research-based Clinical Management  
**Kurztext:**

This book is based on more than 30 years of scientific and clinical work with the Herbst appliance in the therapy of Class II malocclusions. Elaboration of the clinical use of this noncompliance fixed functional appliance include the following topics:

- Appliance design and construction
- Short- and long-term treatment effects in the management of Class II:1 and Class II:2 malocclusions
- Mandibular growth stimulation in patients treated at different stages of somatic and skeletal maturation
- Headgear effect of the Herbst appliance
- Therapy influence on the frequency of extractions
- Advantages and disadvantages of an early versus a late treatment approach
- Successful application of the Herbst appliance in young adults (20 to 30 years of age)
- Herbst therapy as an alternative to orthognathic surgery in nonsyndrome adult Class II malocclusions

Additionally, this book addresses the possible harmful effects of the Herbst appliance on the temporomandibular joint, the anchorage teeth, and the tooth-supporting hard and soft tissue structures.

#### Contents

- Chapter 01. Historical Background
- Chapter 02. Dentoskeletal Characteristics of Class II Malocclusions
- Chapter 03. Design, Construction, and Clinical Management of the Herbst Appliance
- Chapter 04. Derivates of the Herbst Appliance
- Chapter 05. Experiemental Studies on Bite Jumping
- Chapter 06. Herbst Research – Subjects and Methods
- Chapter 07. Short-term Effects on the Dentoskeletal Structures
- Chapter 08. Long-term Effects on the Dentoskeletal Structures
- Chapter 09. The Headgear Effect of the Herbst Appliance
- Chapter 10. Effects on TMJ Growth
- Chapter 11. Effects on Mandibular Growth and Morphology
- Chapter 12. "Effective TMJ Growth"
- Chapter 13. Effects on the Skeletofacial Growth Pattern
- Chapter 14. Effects on the Facial Profile
- Chapter 15. Effects on Muscular Activity
- Chapter 16. Effects on TMJ Function
- Chapter 17. Treatment of the Retrognathic and Prognathic Facial Type
- Chapter 18. Treatment of Hyper- and Hypodivergent Class II: 1 Malocclusions
- Chapter 19. Anchorage Problems
- Chapter 20. Effects on Anchorage Teeth and Tooth-Supporting Structures
- Chapter 21. Treatment Indications
- Chapter 22. Treatment Timing
- Chapter 23. Treatment of Adults – An Alternative to Orthognathic Surgery
- Chapter 24. Complications
- Chapter 25. Relapse and Retention
- Chapter 26. Concluding Remarks

**Fachgebiet(e):** Kieferorthopädie