

[\[Print Version\]](#)

[\[PubMed Citation\]](#) [\[Related Articles in PubMed\]](#)

The Angle Orthodontist: Vol. 57, No. 2, pp. 113–120.

Relationships between Swallowing Pattern, Mode of respiration, and Development of Malocclusion

Birte Melsen;^a Laura Attina; Maria Santuari; Angelo Attina

^aDr. Birte Melsen, Institute of Orthodontics, Royal Dental College, Vennelyst Boulevard, DK-8000 Aarhus C. DENMARK

ABSTRACT

A study of children in northern Italy finds positive but complex relationships between malocclusion and both respiration and swallowing patterns.

Dr. Melsen is Professor and Head of the Institute of Orthodontics at the Royal College of Dentistry in Aarhus, Denmark. She is a graduate of the Royal Dental College and holds a Certificate in Orthodontics from that institution

Drs. Attina and Santuari are private practitioners in Trento, Italy

KEY WORDS: MALOCCLUSION, RESPIRATION, SWALLOWING, TONGUE.