

[\[Print Version\]](#)

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

The Angle Orthodontist: Vol. 62, No. 1, pp. 35–42.

Class I and Class III malocclusion sub-groupings related to headform type

Valerie D. Martone, DMD, MSD; Donald H. Enlow, PhD;^a Mark G. Hans, DDS, MSD; B. Holly Broadbent, Jr., DDS; Ordean Oyen, PhD

^aSchool of Dentistry, Case Western Reserve University, 2133 Abington Road, Cleveland, OH 44106

ABSTRACT

Different headform types establish different lines of craniofacial growth resulting in anatomic sub-groupings of Classes I, II, and III with characteristic morphologic features. Several key basicranial and facial relationships are involved, with the nasal region particularly significant in group distinctions.

V.D. Martone is in private practice in Pittsburgh, Pa

D.H. Enlow is a Thomas Hill Distinguished Professor Emeritus at Case Western Reserve University in Cleveland, Ohio

M. G. Hans is an Assistant Professor of orthodontics at Case Western Reserve University, Cleveland

B.H. Broadbent, Jr. is a Clinical Professor of Orthodontics at Case Western Reserve University in Cleveland

O. Oyen is an Associate Professor in the Department of Orthodontics, Case Western Reserve University, Cleveland

KEY WORDS: Head form, Facial patterns, Malocclusion, Facial form.