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Occlusion and Arch Size in Families

A Principal Components Analysis

EDWARD F. HARRIS;^a RICHARD J. SMITH

^aDr. Richard J. Smith, Department of Orthodontics, University of Maryland Dental School, 666 West Baltimore Street, Baltimore, MD 21201

ABSTRACT

A statistical analysis of the heritability of seventeen attributes of arch size, arch shape and occlusal relations indicates a dominance of environmental over genetic factors. Some combinations of traits show noticeable genetic influence, while individual occlusal traits appear to be almost entirely related to environmental effects.

Dr. Harris is an Assistant Professor in the Department of Orthodontics, College of Dentistry, University of Tennessee. He holds a Ph.D. degree in Anthropology from Arizona State University

Dr. Smith is an Associate Professor and Director of the Postgraduate program in the Department of Orthodontics, University of Maryland Dental School. He is a dental graduate (D.M.D.) of Tufts University, and holds an M.S. degree in Anatomy from the same institution. He also holds a Certificate in Orthodontics from the University of Connecticut, and a Ph.D. in Anthropology from Yale University