2008 JCEG I Meeting

On November 21, 2008, the Joint Cephalometric Experts Group met in Cleveland at the historic Bolton Brush Growth Study Center for two days to discuss the state of the art in 3D CBCT imaging. In attendance were international leaders in imaging and orthodontics. The meeting resulted the formation of the following working groups:

Superimposition

Identify biologically stable and relevant features for superimposition of 3D volumes.

Registration

Establish a set fiducial landmarks within the volume to insure the integrity of the image and to allow landmark data derived from the image to be stored in a known coordinate system.

Nomenclature/Terminology

Develop a lexicon of terms to describe treatment procedures and coordinate them with the ADA SNOWDENT project. Define relevant terms that can be used by JCEG to describe 3D volume data and orthodontic procedures.

3D Morphologic Standards

Combine the existing 3D Bolton Landmark data with surface data acquired from CBCT to create 3D graphical standards that can be used for orthodontic diagnosis and treatment planning-.

Image Quality and Machine Parameters

Propose guidelines for hardware, software and the resulting digital images that can be implemented by the ADA Standards Committee 11.6.

Database of 3D CT images

Develop and implement a database of 3D images for craniofacial research.