Cephalometric Analyser

Introduction

Cephalometric analysis is the study of the dental and skeletal relationship in the head. It is a software tool utilized by orthodontic surgeons to diagnose and treat patients presenting with the dento-facial deformities.

The cephalometric analysis tool identifies various soft and bony tissue landmarks and their relationship on cephalometric radiograph to diagnose facial growth abnormalities prior to treatment, evaluation of progress in middle of treatment and conclusion of treatment to ascertain that the goals of treatment have been met. The cephalometric analysis tool was successfully developed and evaluated at AIIMS, Delhi. As software tool it has also been copyright protected. AutoCEPH is available as SaaS (software as a service) over the cloud at http://ci.csio.res.in. It is currently being utilized by a number of government and private practitioners from India and abroad and can perform 16 lateral analysis.

Applications

- Software for 2-D computerised cephalometric analysis.
- Presently there is no web based 2-D cephalometric analysis software for Orthodontics is available in India all though it is available in other country by private company on paid basis.
- AutoCEPH: As a paid/free online service to end users.

Users

- Government and private MDS (Orthodontics) colleges in India.
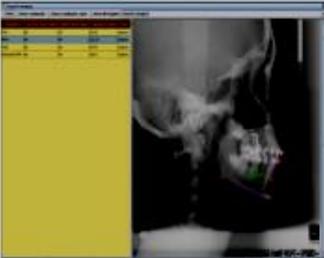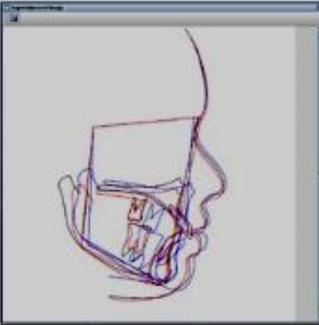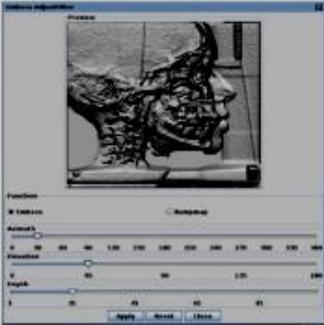- 1,20,000 registered dental doctors exist in India.

Status

- User trials with involvement of AIIMS Delhi and PGI Chandigarh.
- Tested in field, analyses verified at AIIMS-CDER, New Delhi.
- Demonstrated at PGIMER, Chandigarh and other exhibitions.

AutoCEPH