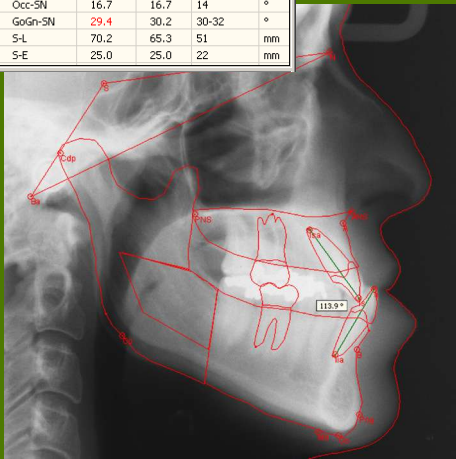
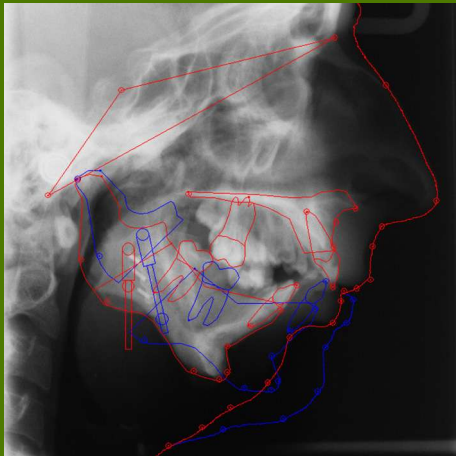


FACAD

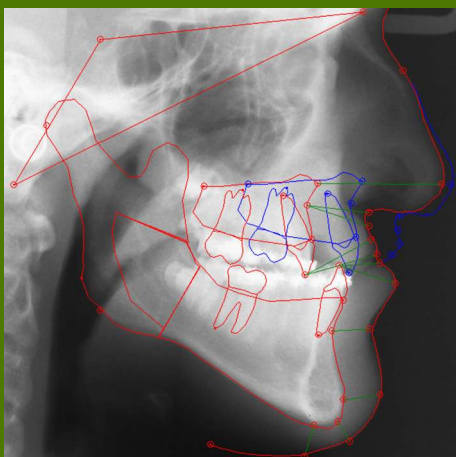
Steiner analysis				
Ceph Name	Original	Planned	Norm	Unit
SNA	82.9	82.9	80-89	°
SNB	81.7	79.4	75-82	°
ANB	1.3	3.6	2-4	°
SND	78.8	76.7	76-77	°
Is-SN	102.9	95.2	103	°
Is-NA	20.0	12.3	22	°
Is-NA dist	4.7	4.7	4	mm
Ii-NB	20.8	18.5	25	°
Ii-NB dist	4.0	3.3	4	mm
Pog-NB dist	2.3	2.8	4+2	mm
Interincisal	137.9	145.7	130-150	°
Occ-SN	16.7	16.7	14	°
GoGn-SN	29.4	30.2	30-32	°
S-L	70.2	65.3	51	mm
S-E	25.0	25.0	22	mm



Original pre-op X-rays. Here with original tracings (red), cephalometric analysis and interincisal angle measurement.



Blue: Treatment simulation - Mandible advancement using distractors.



Blue: Treatment simulation - Maxilla advancement. Green: Bindings between hard and soft tissue markers.

For more information, please contact:

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Facad® is a very powerful, flexible, and easy-to-use PC/Windows software program for orthodontics and maxillofacial surgery. Facad can be used for visual diagnostic imaging and **cephalometric analysis**, as well as for **treatment simulation** with surgery prediction.

The digitized X-ray image can either be a scanned X-ray film or a digital X-ray image file in JPEG, TIFF, or in DICOM format. Facad is also adapted to be able to receive patient data and images from other programs used as patient journal system, PACS, or interface to a digital X-ray imaging system.

Cephalometric Analysis Software

Facad enables a quick and easy method to interactively plot the points required by the actual analysis, chosen among standard or custom-made cephalometric analyze methods. The points, or markers, are plotted directly on the X-ray image admitting immediate graphical feedback.

Ready-made graphics for incisors, canines, premolars, and molars, as well as user-defined bone segments are interactively drawn and placed on the X-ray. The facial profile is semi-automatically detected.

Facad automatically calculates accurate values for the measurements (distances and angles) defined by the chosen analysis. Further measurements can interactively be made directly on the on-screen radiograph, correctly calibrated.

Treatment simulation and Surgery prediction (Planning)

The graphical bone segments and teeth can interactively be moved (translated and rotated) to simulate a surgical intervention.

Bone segments can be split into several parts and the use of distractors can be simulated.

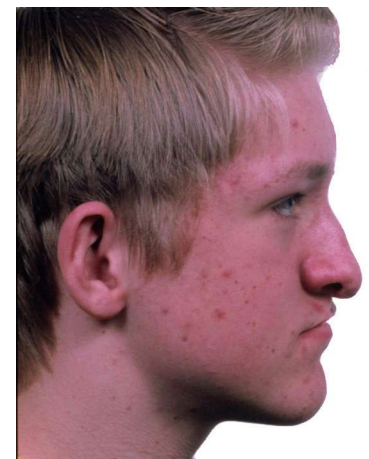
Using a model for soft tissue movements, a prediction photo can be generated from the profile photo. The model states how markers on the facial profile is moving related to planned movement of hard tissue (bone) markers.

Facad enables the possibility to make multiple planning suggestions and follow-up examinations, so called cases. Tracings from different cases can simultaneously be visually compared.

Images, graphics, and analysed data can be printed, exported, and copied in order to be shared with other software programs.



Original profile photo



Surgery prediction photo

The software is developed in co-operation with the maxillofacial unit at the University Hospital in Linköping, Sweden, and has been in clinical use for over 10 years.

