

OrthoTP

OrthoTP Software

Cephalometry | Orthodontic Folder | ATM
Evaluation Folder | Postural Folder | Medical
Record



OrthoTP

Our solution



Modules and configurations



01

Orthodontics and cephalometry

02

Space analysis and dental VTO

03

TMJ Evaluation (Prof.
Rocabado)

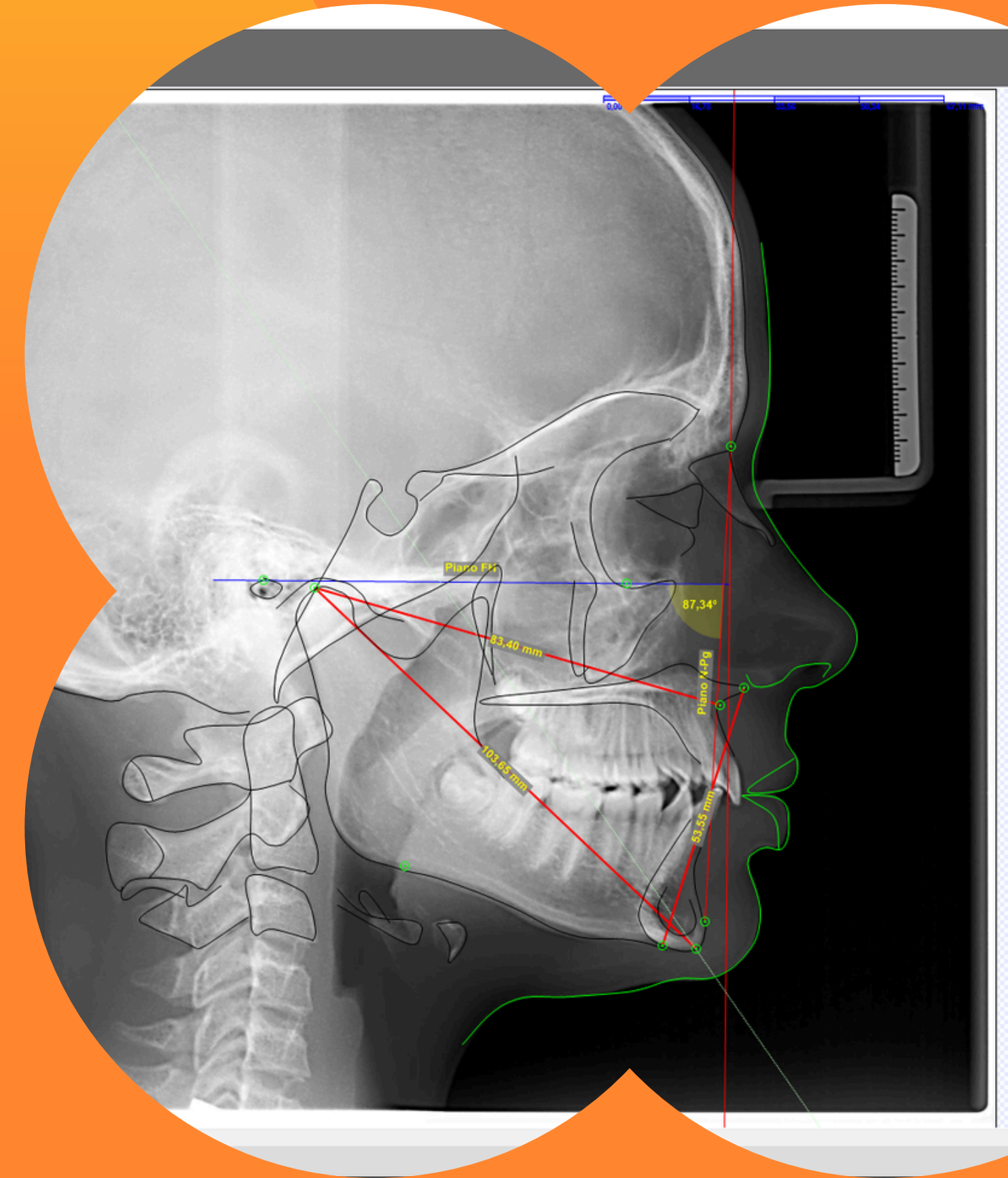
04

Postural assessment

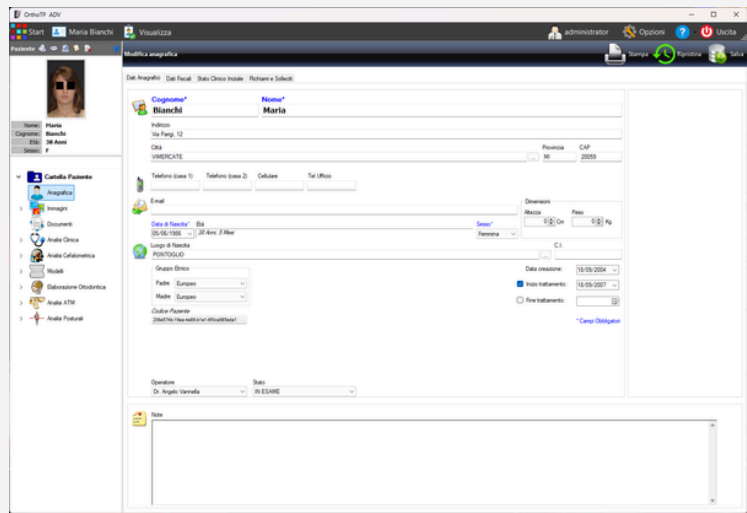


OrthoTP Base

OrthoTP® is the new software solution for the medical-dental field developed by a team of technical and clinical experts. Its simple interface and comprehensive tools make OrthoTP the most complete and flexible program on the national and international market.

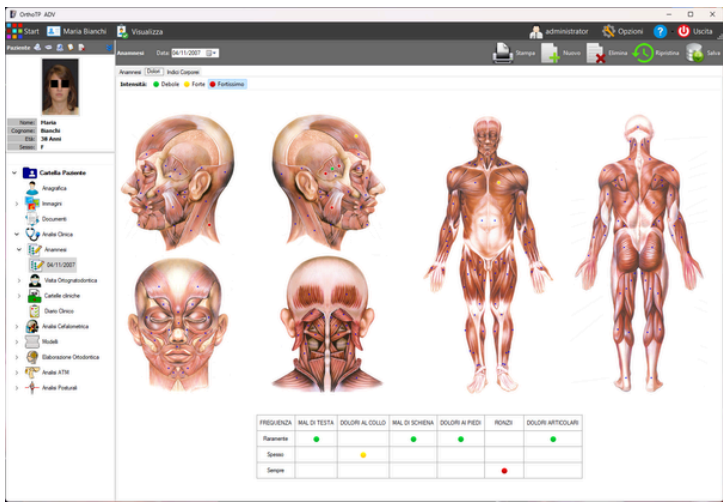


The basic modules



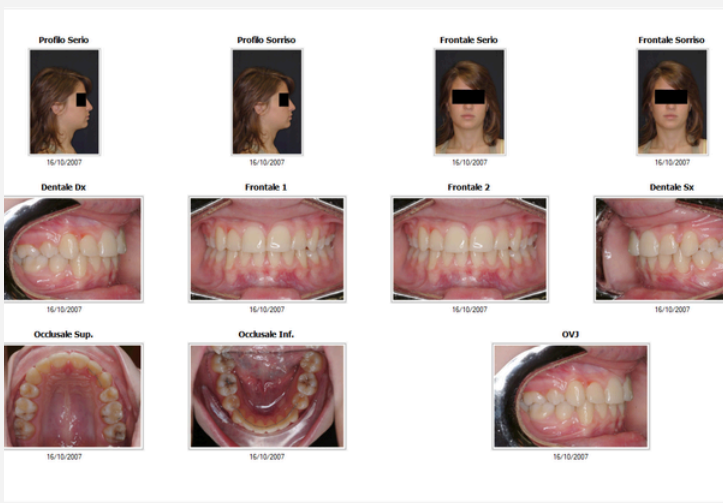
Personal data

Personal data collection form for the patient's personal and tax information



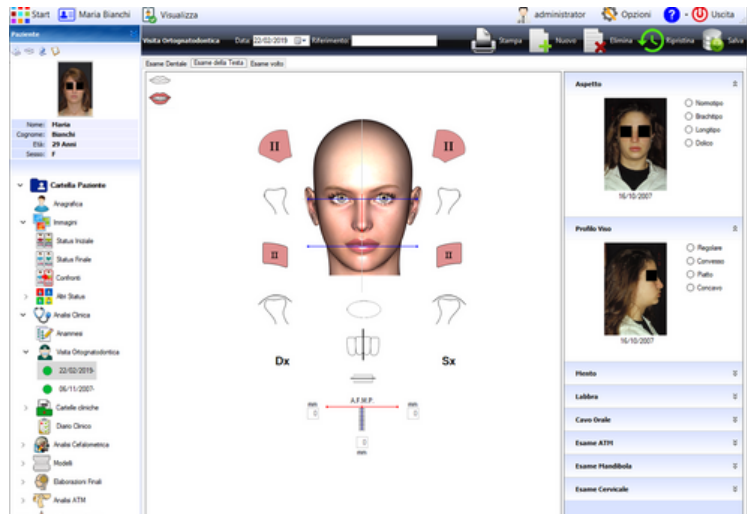
Anamnesis and Pain

Orthodontic history. The second section of the history is "Muscle Pain," where you can enter pain scores (VAS).



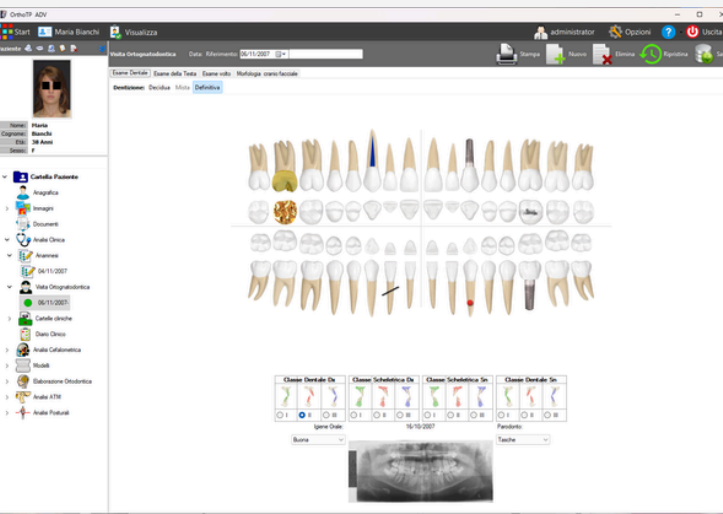
Images and status

In this section all the patient's images are collected, the statuses collect the photographic and radiographic information represented according to the standards



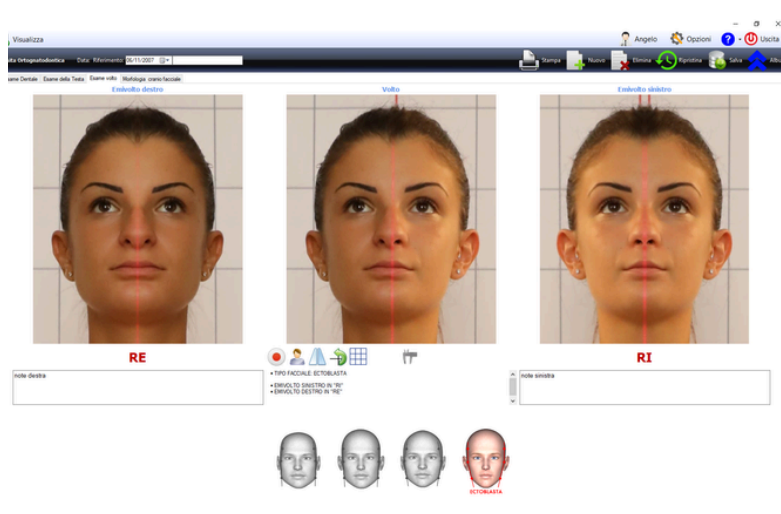
Head examination

Here is a summary graphic of the face, the mandibular opening and closing movement, the position of the hyoid and morphology of the tongue and elements of the orthodontic check-up.



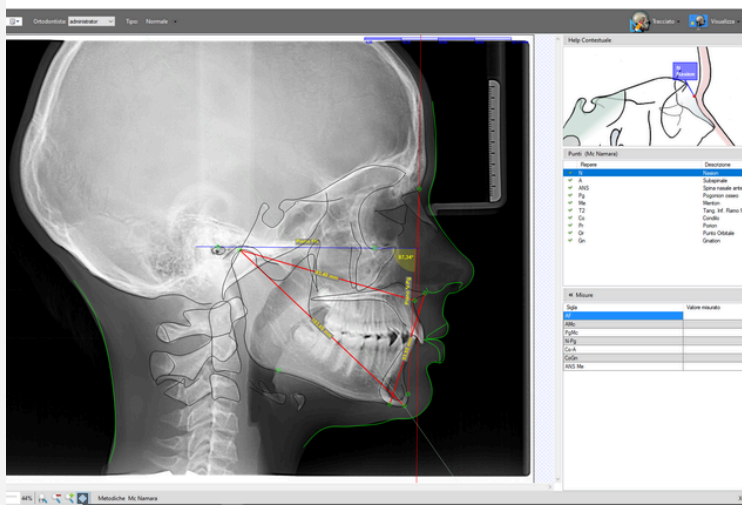
Dental exam

Dental objective examination, type of dentition, dental and skeletal classes, periodontal situation and hygiene



Morphology and symmetry of the face

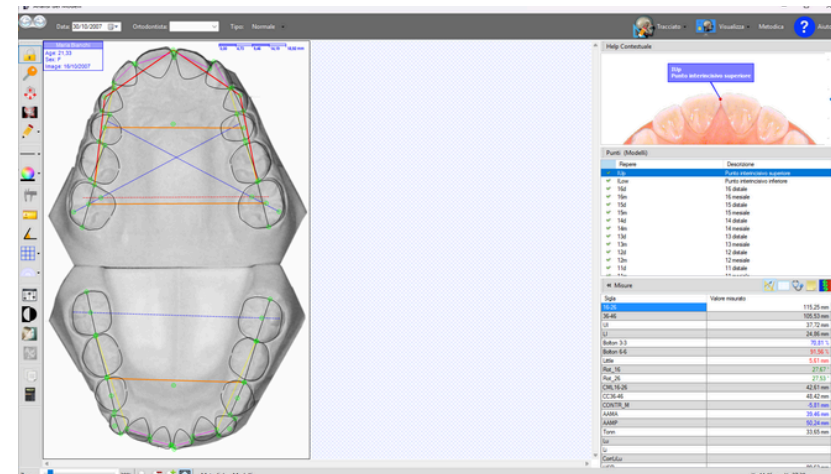
The facial analysis module allows you to quickly and accurately evaluate the patient's IR and ER side, as well as their biotypology.



Cephalometric Trace

Quickly create a precise and accurate cephalometric tracing with extreme simplicity.

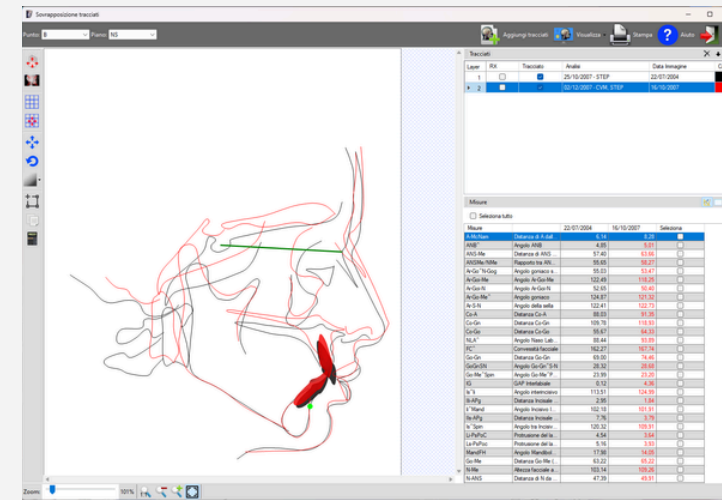
Over 30 methods are integrated in various projections: Lateral, AP, PA, Axial, Panoramic, etc.



Model Analysis

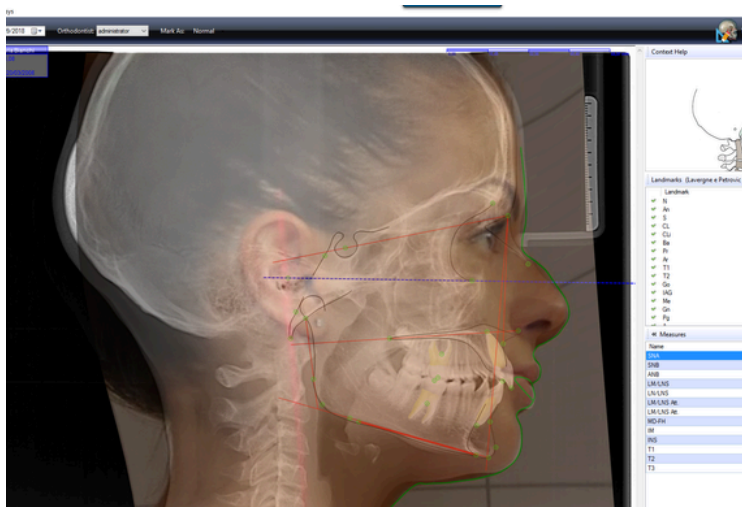
Analysis of occlusion models:

- Arch metric analysis
- Bolton index
- Little's irregularity index
- Peck index
- Pontometric calculation
- Molar rotation
- Tonn formula
- Evaluation of maxillary contraction



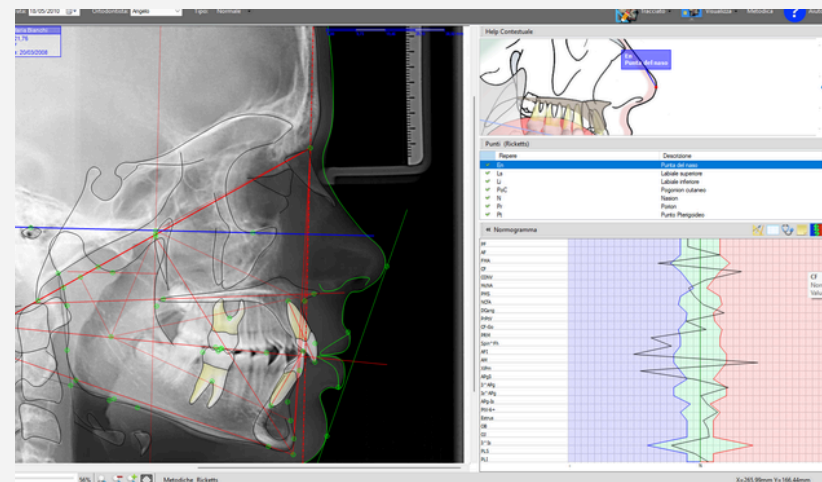
Cephalometric tracing overlay

Overlay of two or more cephalometric tracings differentiated by color to highlight the chronology and progress of treatment and growth



Tracing-Photo Overlay

Possibility to overlay the patient's photo with the tracing and adjust its transparency



Normogram

The display of the normogram allows you to graphically evaluate the trend of the measured values if they are within the normal range

Data	Collaborazione	Spese	Tipi	Previsione	Operazione	Accounto	Data	Provenienza
15/10/2018	10000	10000	10000	10000	10000	10000	10000	10000
24/05/2018	10000	10000	10000	10000	10000	10000	10000	10000

Orthodontic Clinical Diary

The history of all the patient's visits is recorded in the clinical diary



OrthoTP Pro

The PRO version includes all the modules of the basic version plus other biomechanical evaluation and dental VTO tools



PRO modules

Space analysis and dental VTO

This section automatically and manually calculates the available space according to the Boston School, indicating the displacement and anchorage vectors. The operator can freely enter other parameters such as stripping, lee way, expansion, and distalization to calculate the final VTO for treatment and orthodontic appliance selection.

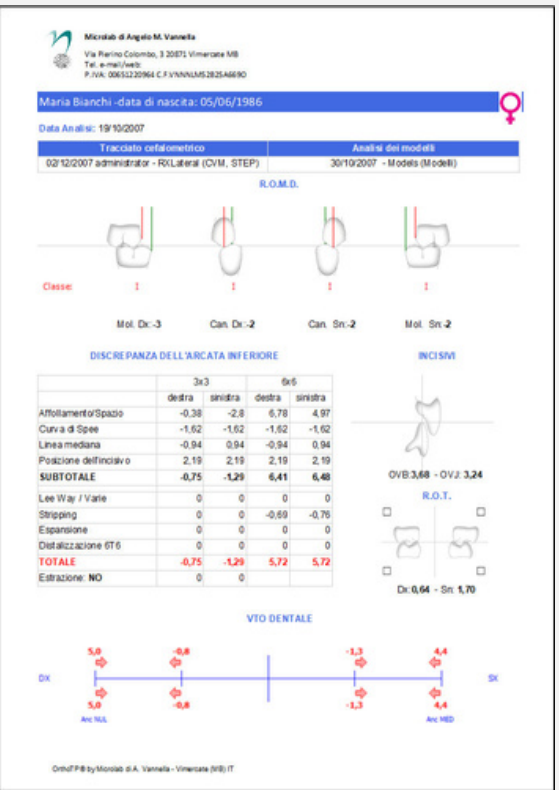
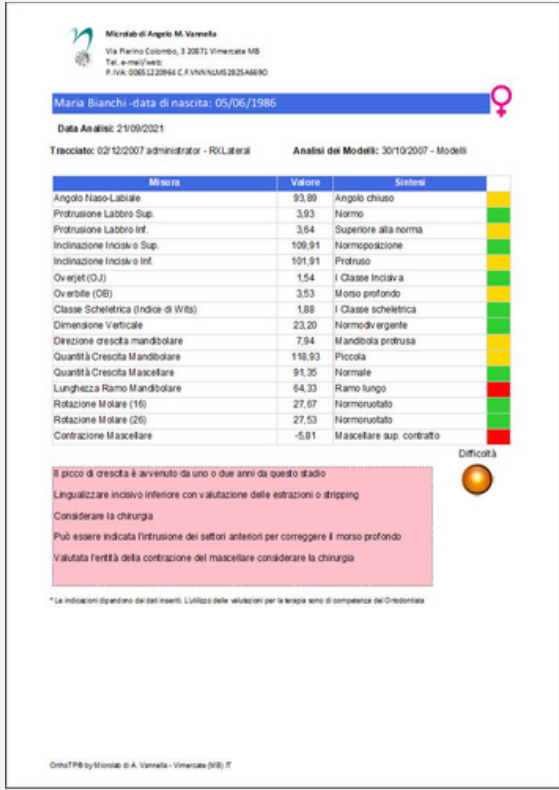


Biomechanical synthesis

The Biomechanical synthesis, based on an inferential algorithm (developed by Microlab and Board Experts) and comparison with clinical cases (over 800) without recurrences, provides guidelines for therapeutic choice.



The prints





TMJ Evaluation Folder

The file is divided into distinct sections and organized following a patient visit protocol, following step by step all the steps of the TMJ evaluation, developed according to the protocol of Prof. Mariano Rocabado.

Palpazione muscolare Mappa del dolore Articolare Mandibolare Occlusioni, Diagnostica e Azione

Mappa del dolore articolare

Intensità: ● Sensibile ● Dolore

Punto dolore DX	
1. Sinoviale Antero Inferiore	
2. Sinoviale Antero Superiore	
3. Legamento Collaterale Laterale	
4. Legamento Temporomandibolare	
5. Sinoviale Postero Inferiore	
6. Sinoviale Postero Superiore	
7. Legamento Posteriore	
8. Retrodisco	

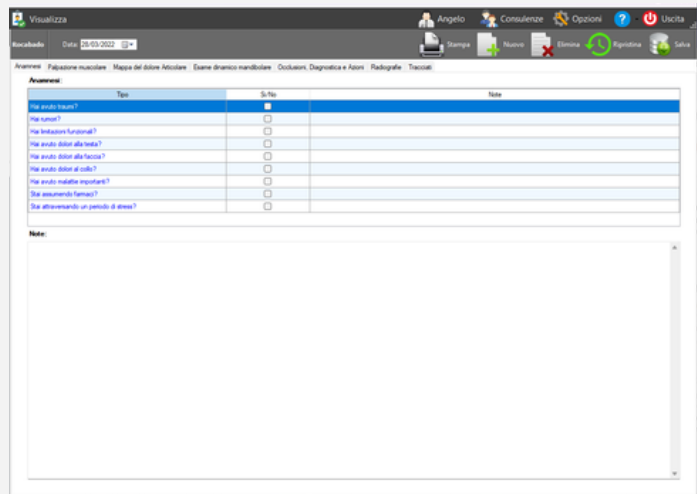
Altro:

☐ Al mordere di un abbassa lingua lato DX ☐ Fa male

alterazioni anatomiche articolari ()
Discale in fr

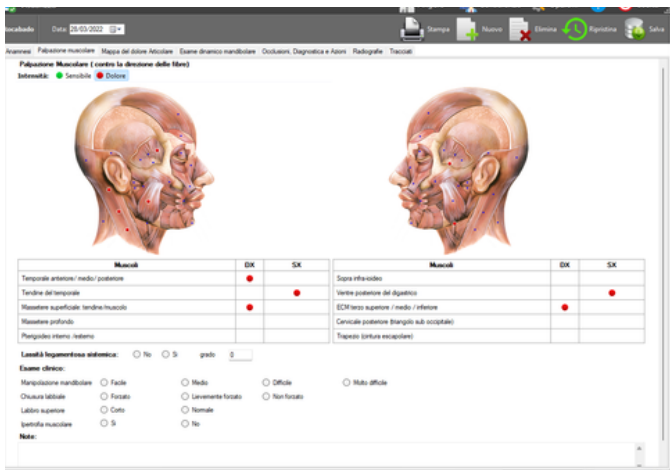
V. FULL

The FULL version includes all the modules of the PRO version with the addition of the TMJ evaluation



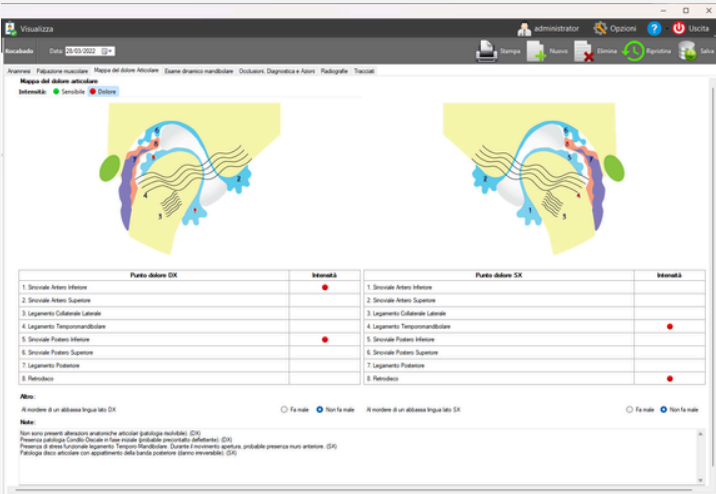
Anamnesi

The Rocabado anamnesis is essential for the investigation of TMJ dysfunctions



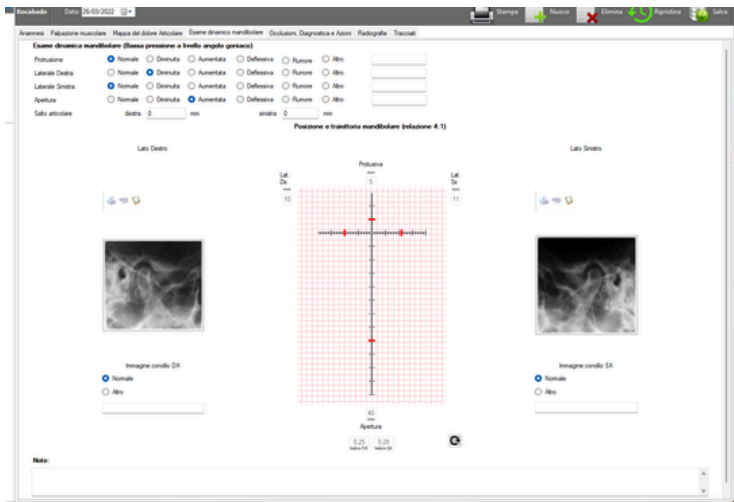
Muscle palpation

In the muscle palpation section, both evoked and referred pain and their intensity can be recorded graphically, using Rocabado's method. This is achieved through a colored marker based on intensity and an associated "post-it" for additional notes on each point. The pain points entered are displayed in two ways: graphically and in tables for easier interpretation. This section allows recording of ligament laxity, clinical examination of jaw movements, facial muscle status, and more.



Pain map and automatic synthesis

This section is the heart of the file, where you can record what you find during palpation of the eight pain points defined by Rocabado and according to a specific technique he taught. Data can be entered either on the image or in the underlying table, automatically generating the corresponding clinical significance, which is displayed in a special notes field where the clinician can expand on the final diagnosis.



Dynamic mandibular examination

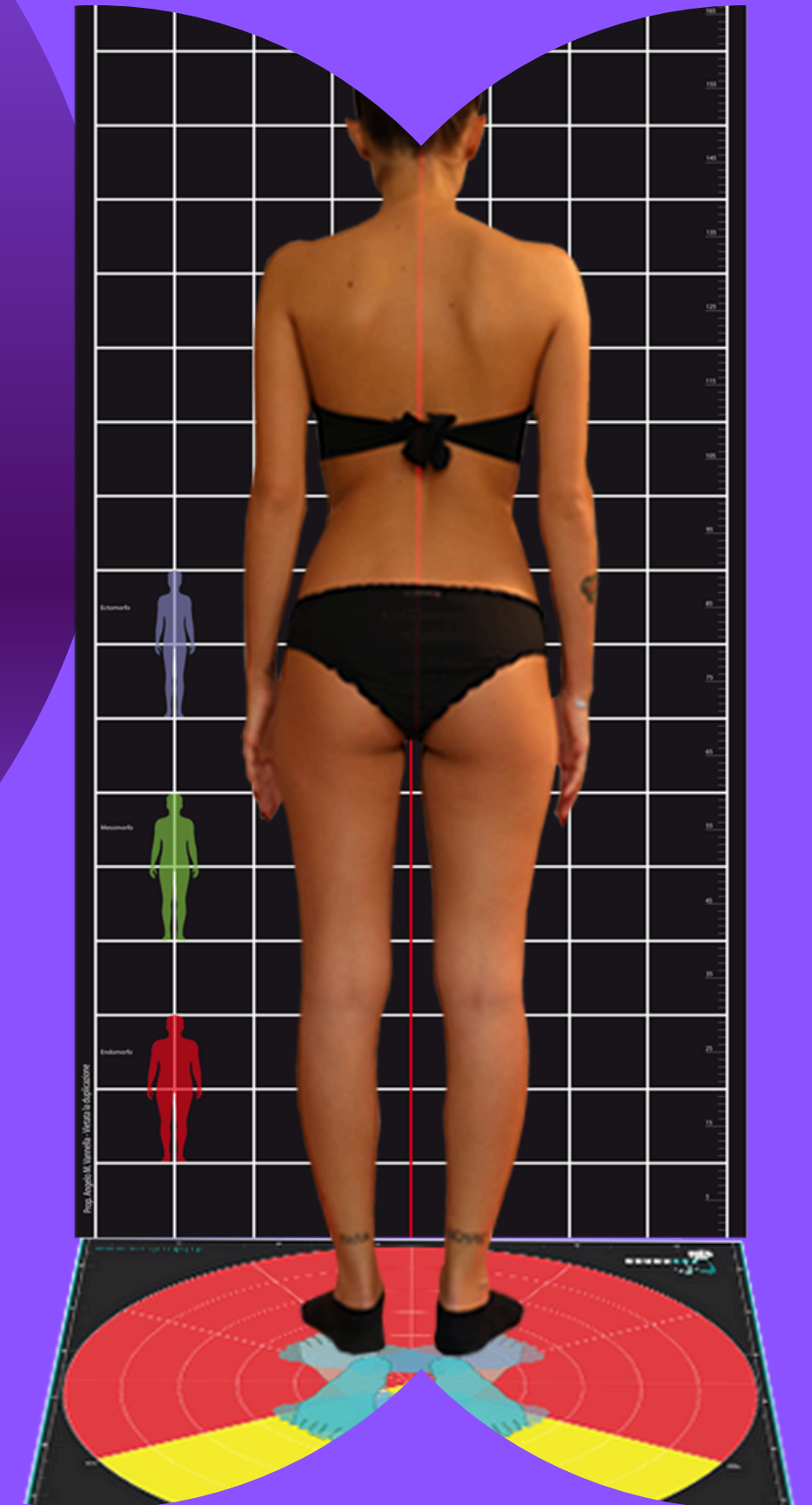
In this section, it is possible to insert on a specific millimetric graph the extent of the protrusive movements, right and left laterality and maximum opening as well as other clinical information of the dynamics performed at low pressure.

Cervical radiographic status and cephalometric analysis

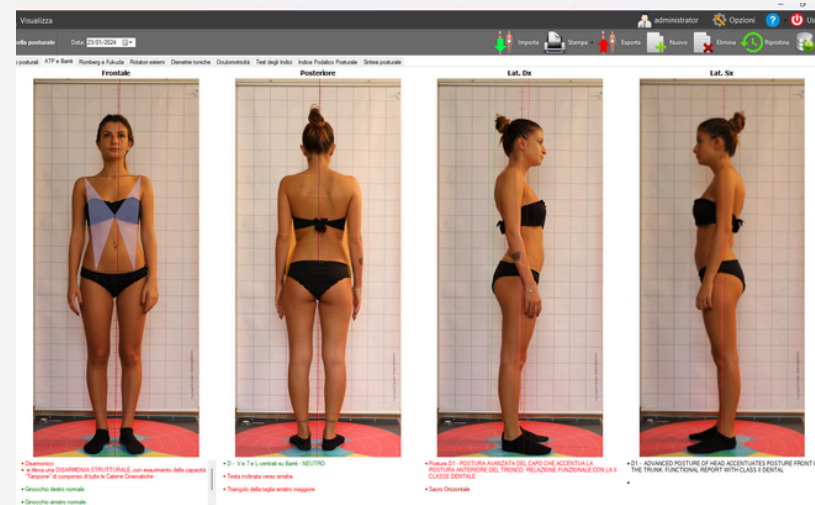


OrthoTP POSTURAL

The chart goes far beyond traditional postural assessment programs that simply objectify the patient's static posture with the Barré handstand. OrthoTP-Postural has been enhanced with all the basic tests for a comprehensive assessment of postural reflexes, starting with photographic analysis in the three spatial planes, continuing with prognostic assessments, and concluding with an examination of responses at the organ level. The chart is essential for the clinician to compile the examination data, allowing for a summary of the postural assessment, highlighting the system's buffering capacity and recommending adjustments.

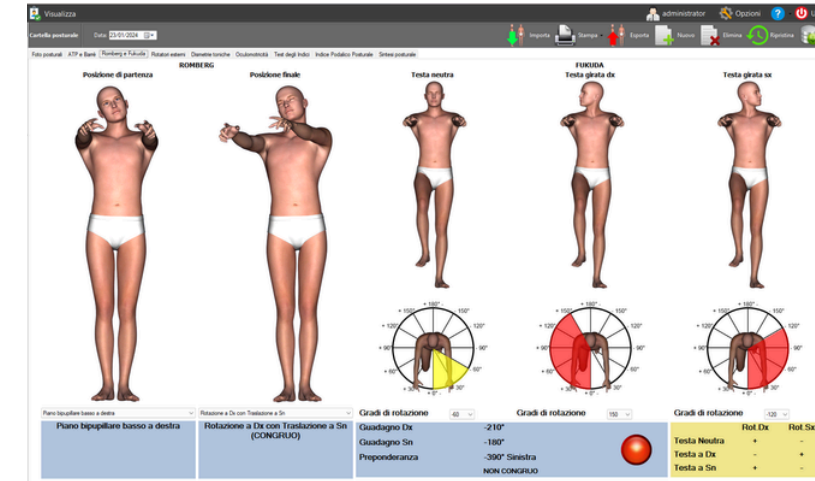


Postural modules



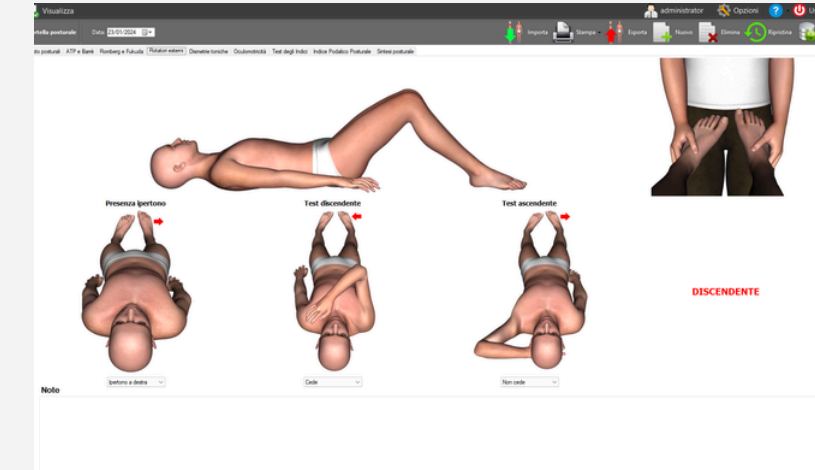
Postural photo analysis

Frontal: Assessment of postural tone harmony;
Posterior: Barré assessment and other elements such as size triangles, the position of the upper and lower landmarks for the analysis of the AREA attractor.
Right and left lateral: Lateral Barré assessment that correlates foot support to posture and determines the position of the scapular plane.



Romberg and Fukuda test

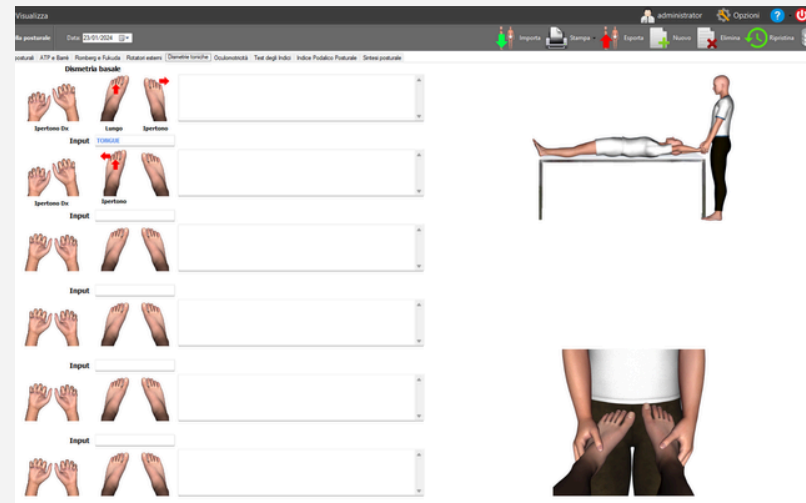
The Romberg and Fukuda tests are the first two assessments proposed in the sequence of clinical tests. The graphic objectification of the tests helps the clinician evaluate the patient's postural state thanks to the immediacy of the information provided.



External rotator test

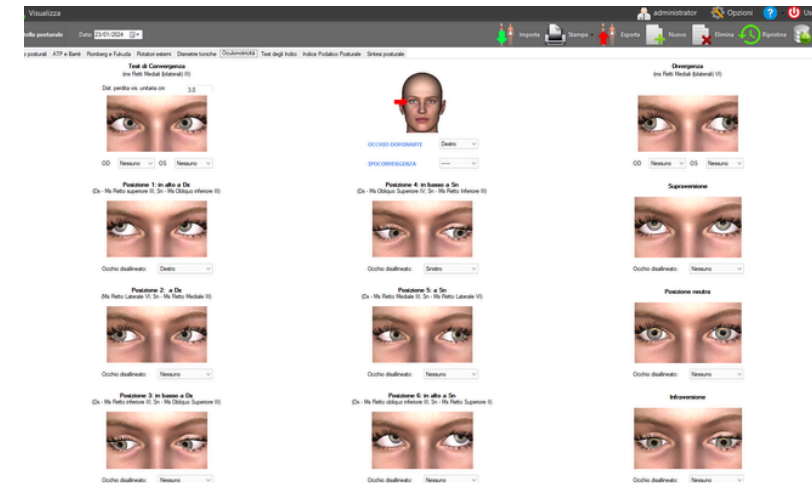
This test is used to evaluate the tone of the external rotator muscles of the lower limbs for the causal search of ascending, descending or mixed type using the limb in hypertonicity as a reference.

Postural modules



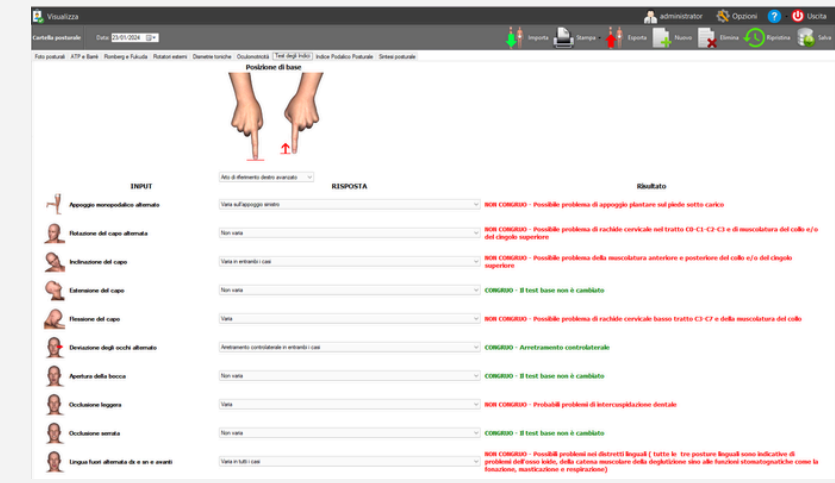
Dysmetries test

The objectification of dysmetries begins with recording the baseline situation and then gradually assessing the patient with various inputs chosen by the clinician. Next to each test, there is a large free-form notes field.



Oculomotor skills

In this section, all data relating to the oculomotor test in the 6 diagnostic positions are recorded, as well as the objectification of the dominant eye.



Index Test

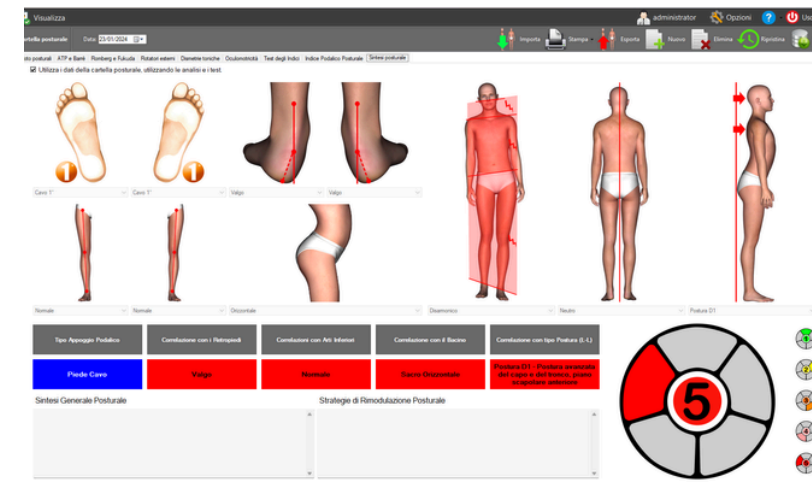
The index test is a neurophysiological test. It uses the tone of the right upper limb (longer or shorter) as a starting point. This is called the baseline test, and then the body areas are "interrogated." This is facilitated by a graphic protocol and assistance in selecting the response proposed by the software.

Postural modules



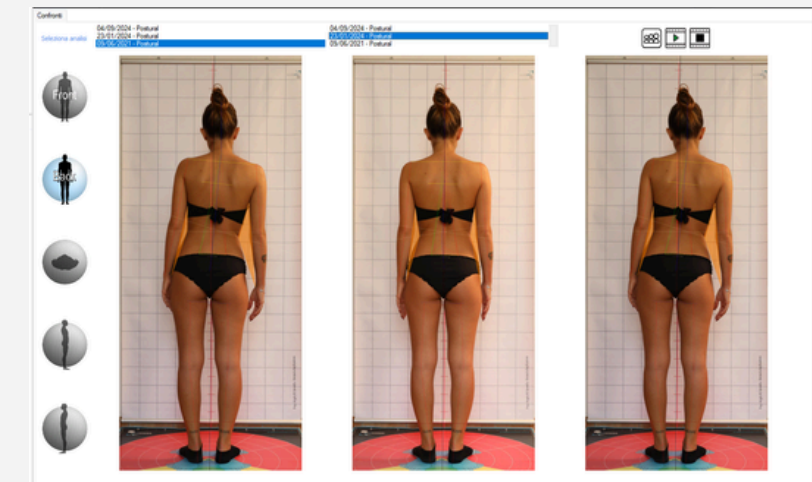
Foot Evaluation

The analysis of the foot support and the hindfoot is carried out according to the internationally validated Postural Foot Index (PPI) method with generation of the diagnostic synthesis and the digital Podogram



Summary and correlations

This section provides a summary of the assessments performed and relates them to the foot support with an indication of the system's buffer capacity.

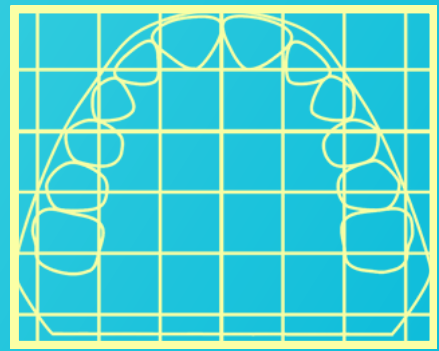


Photographic comparisons

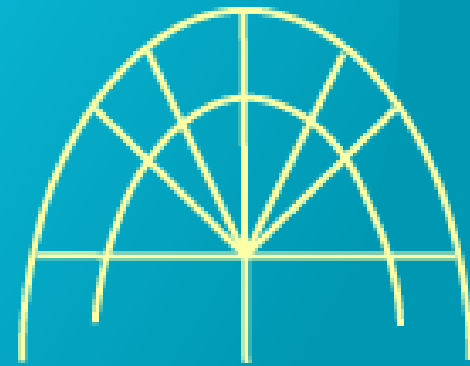
The comparison section allows you to view a comparison between the various photographic analyses in the four projections, generating a video that shows the patient's postural changes

Optional modules

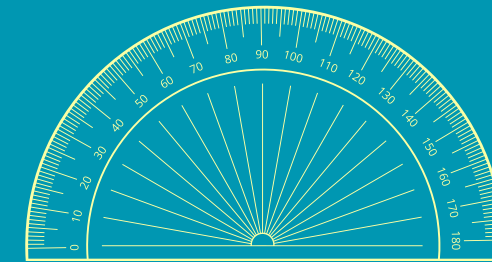
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Planas Chalcography



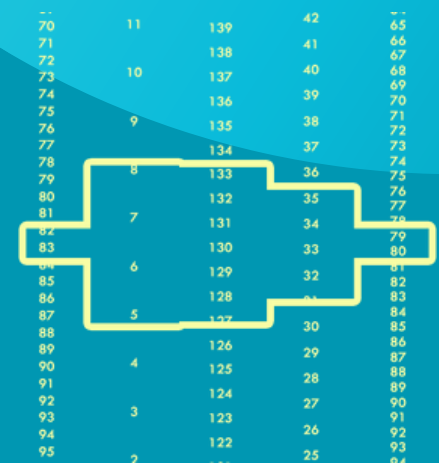
SDF



OFM



OFM-CISO FM



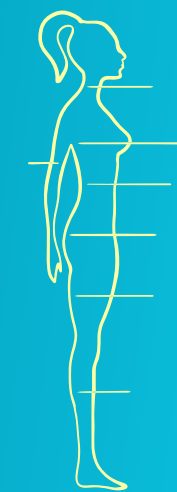
Floating Norm



Bimler Original



Consulting
Management



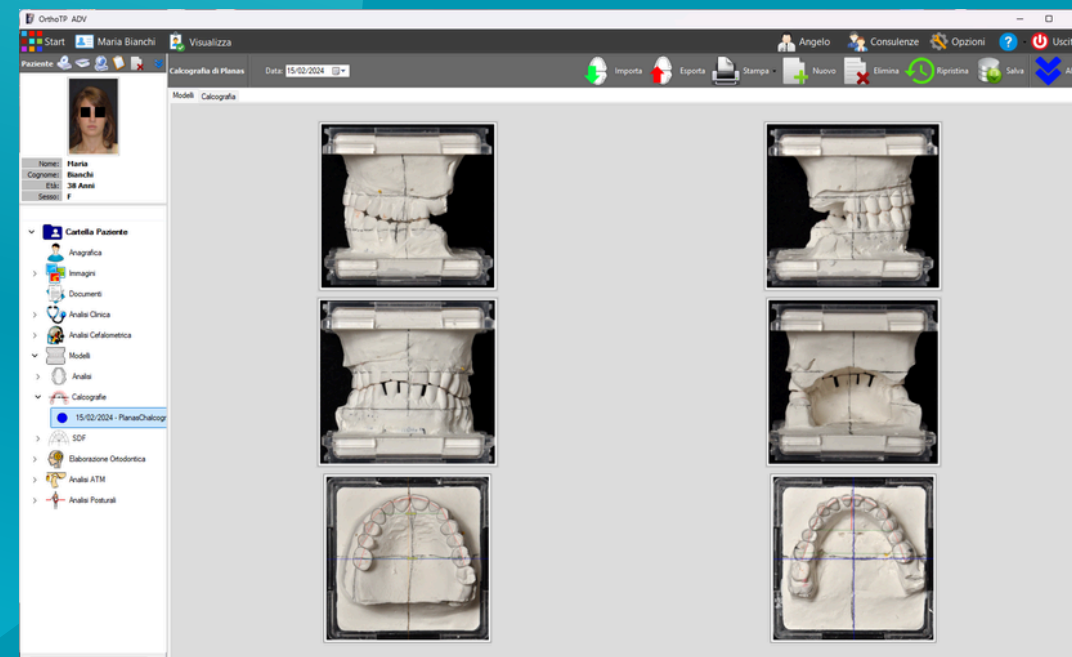
Body Indexes



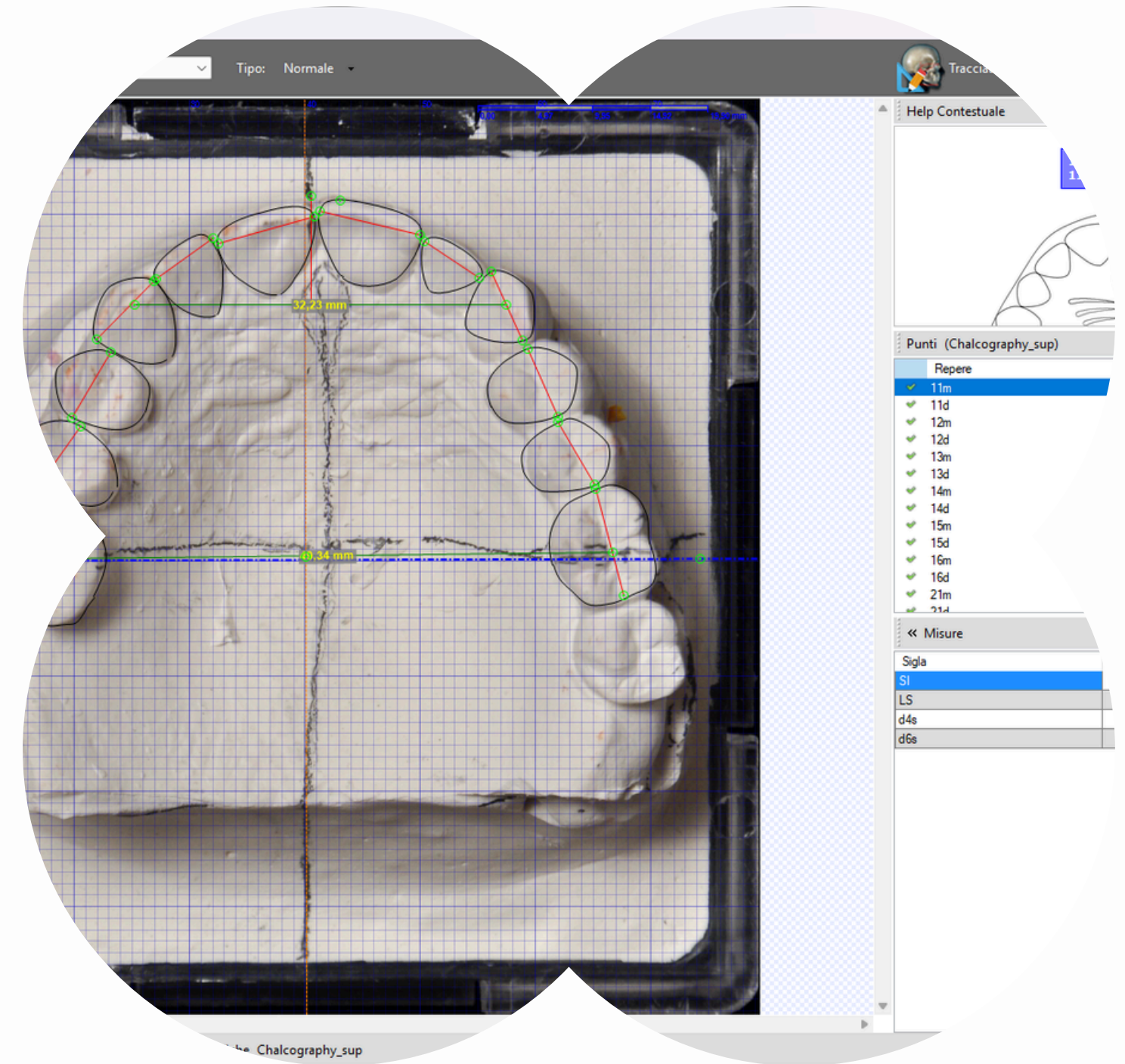
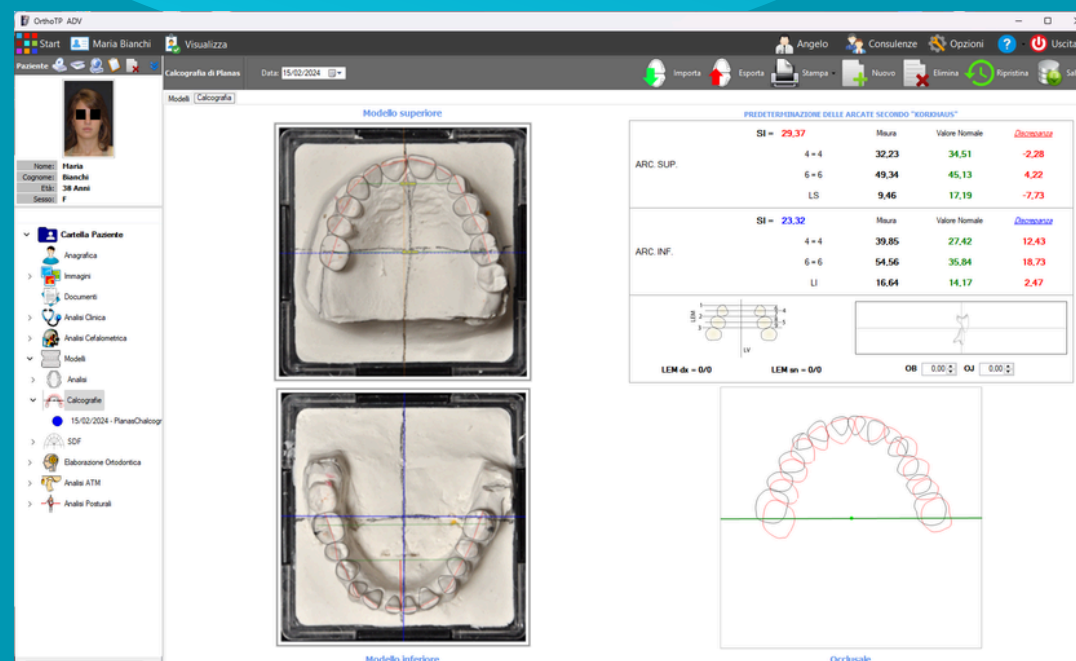
Insoles

Planas Chalcography

Complete photographic status with the six photographic projections for the evaluation of the models according to Planas



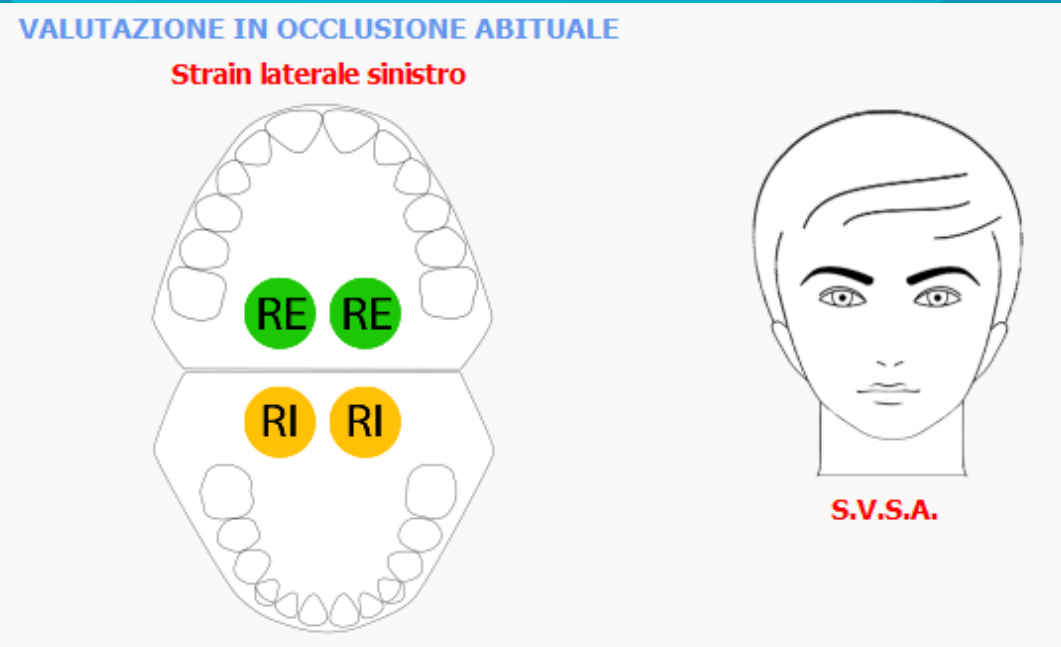
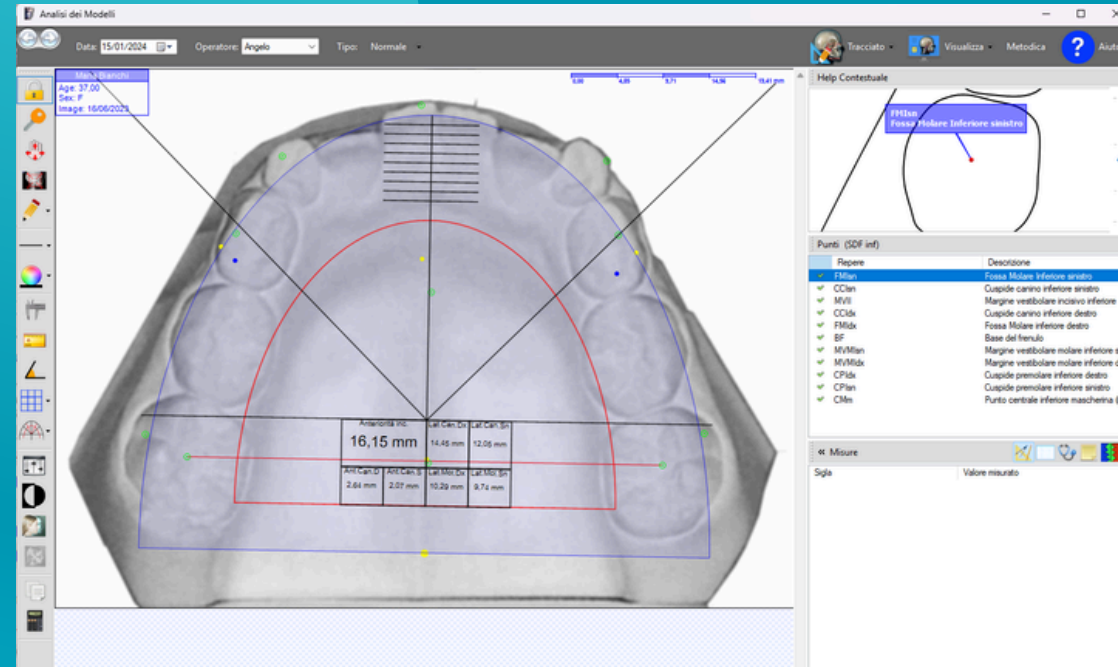
Automatic calculation of Korkhaus discrepancies, Occlusogram, calculation of the position of the LEMs



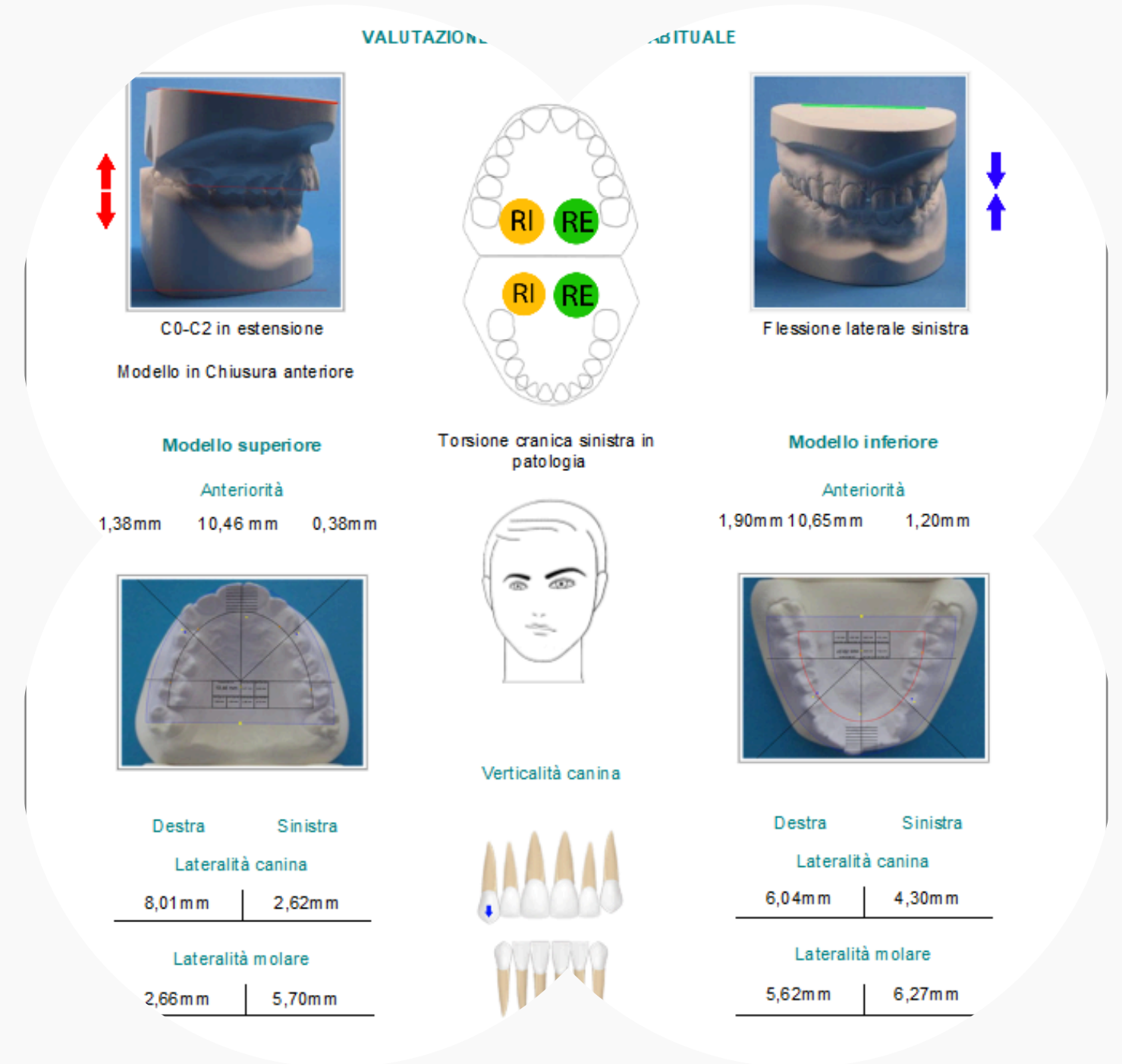
EVALUATION OF PLANAS MODELS

SDF

Thanks to the automatic overlay of the digitalized template, the calculations of anteriorities and lateralities are performed in real-time and displayed directly on the image and then saved in the patient's file.



The cranial assessment is determined automatically using the data calculated in the upper and lower model analysis



DYNAMIC FUNCTIONAL SQUARING

Special methods

FUNCTIONAL ORTHOPEDICS OF THE JAWS (OFM)



OrthoTP® is one of the few programs in the world capable of satisfying every orthodontic specialist in both the biomechanical and functional fields (Functional Orthopedics of the Jaws).

OFM-CISOFM PACKAGE



Thanks to the close collaboration with the technical and scientific staff of CISOFM, new methods have been implemented such as the Simoes Structural Compass, the R. Brandao tongue and the swallowing method according to the Norma Chiavaro method and CISOFM

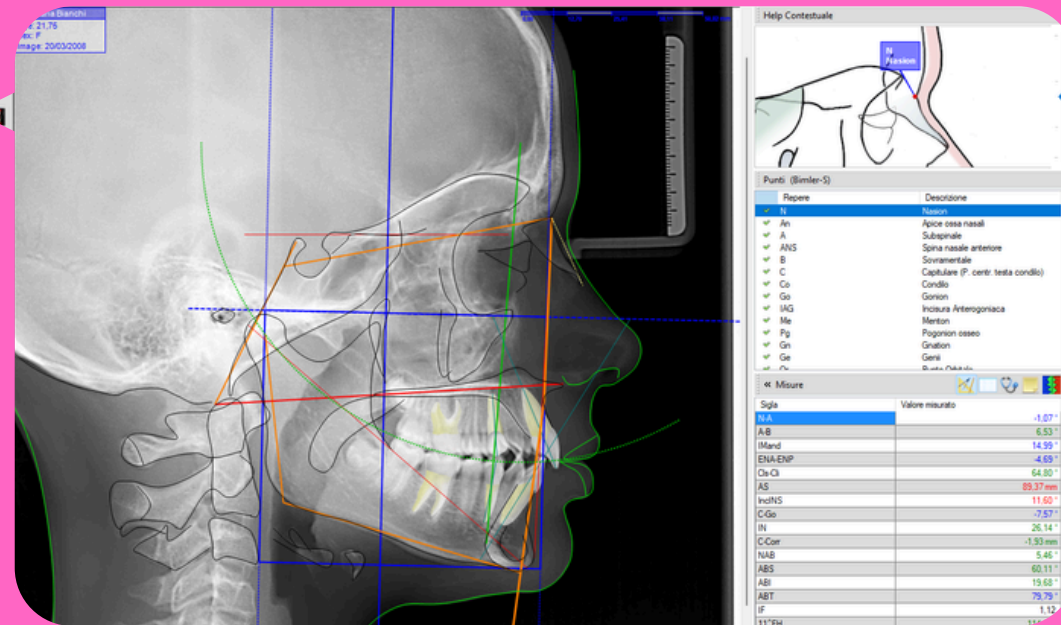
FLOATING NORMS



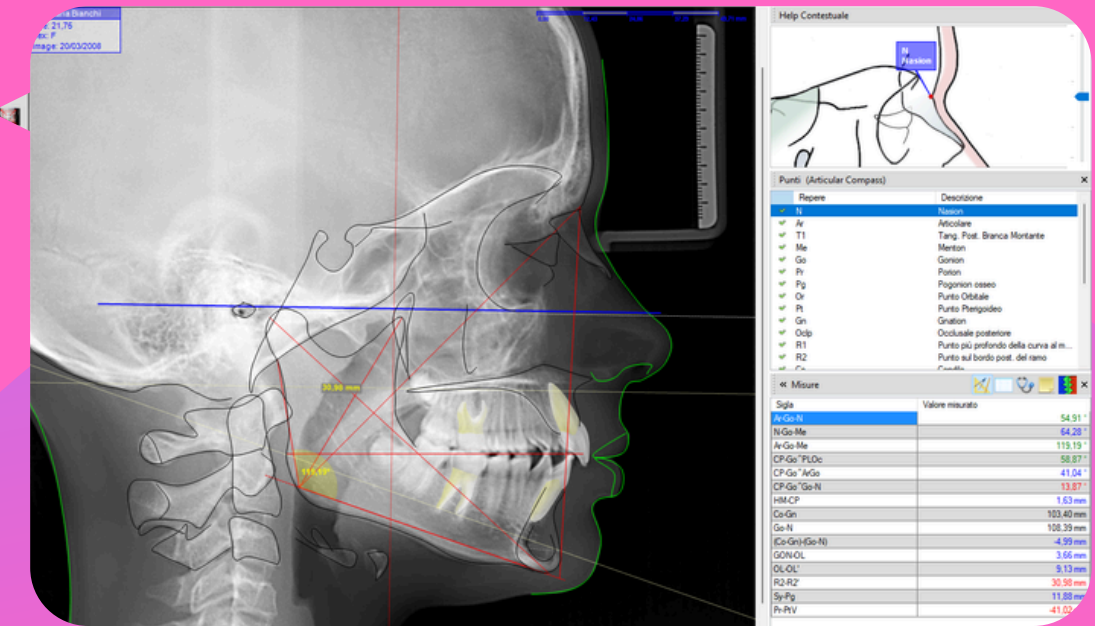
Thanks to the contribution of the studies of Dr. T. Baccetti, L. Franchi and Prof. Tollaro and to the direct collaboration with Dr. E. Zaffuto, Microlab has developed in OrthoTP a tool for the automatic calculation of the "Floating Norms" according to the two phases of deciduous and mixed dentition.

FUNCTIONAL ORTHOPEDICS OF THE JAWS ...

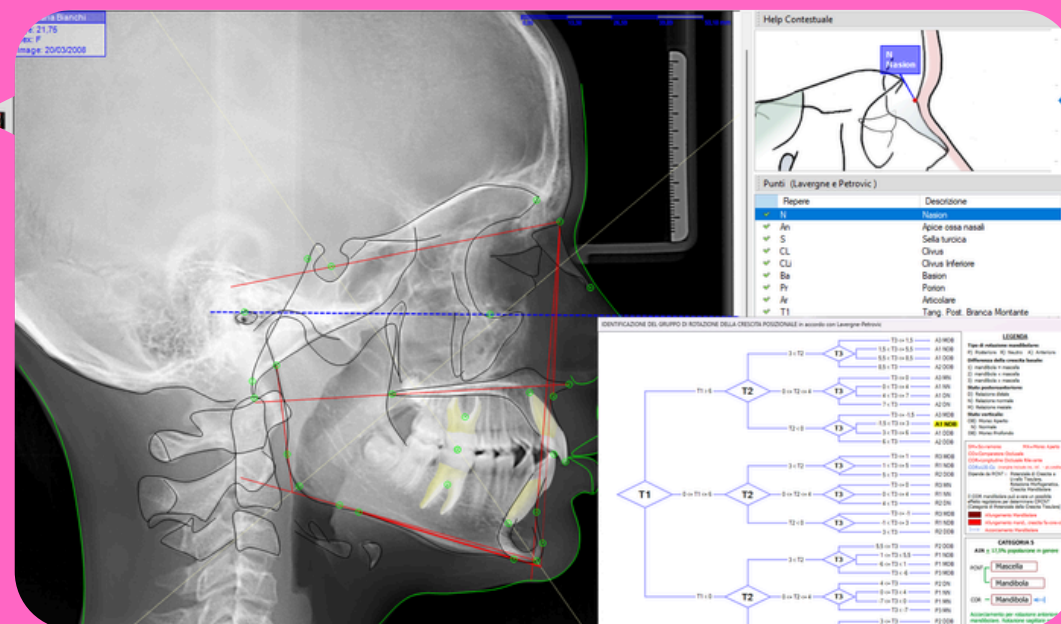
Bimler Standard



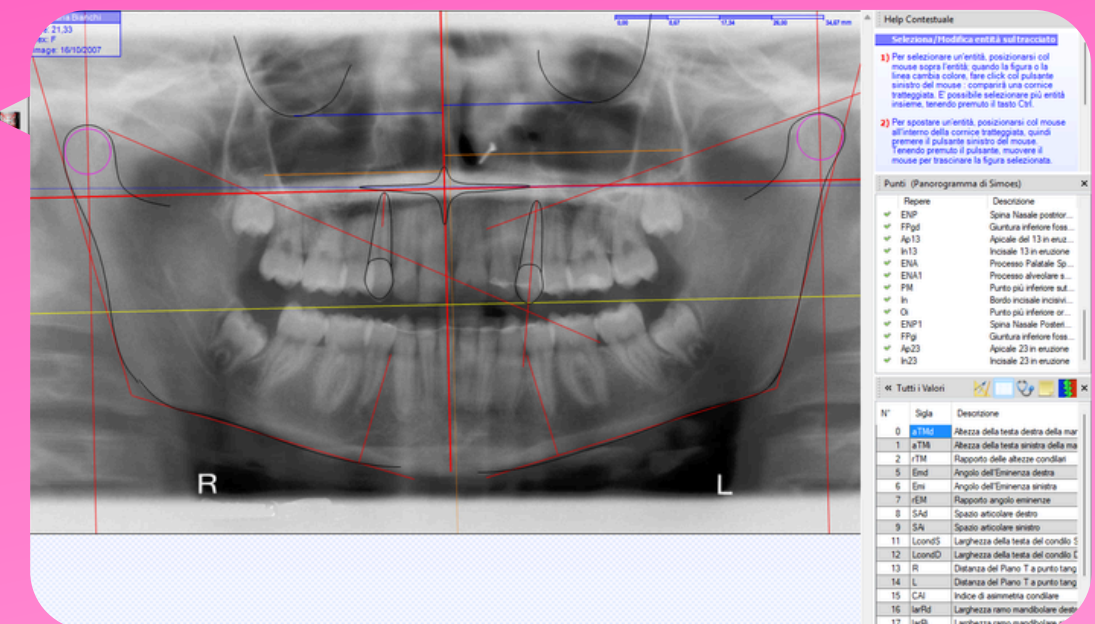
Articular Compass by W. Simoes



Lavergne Petrovic



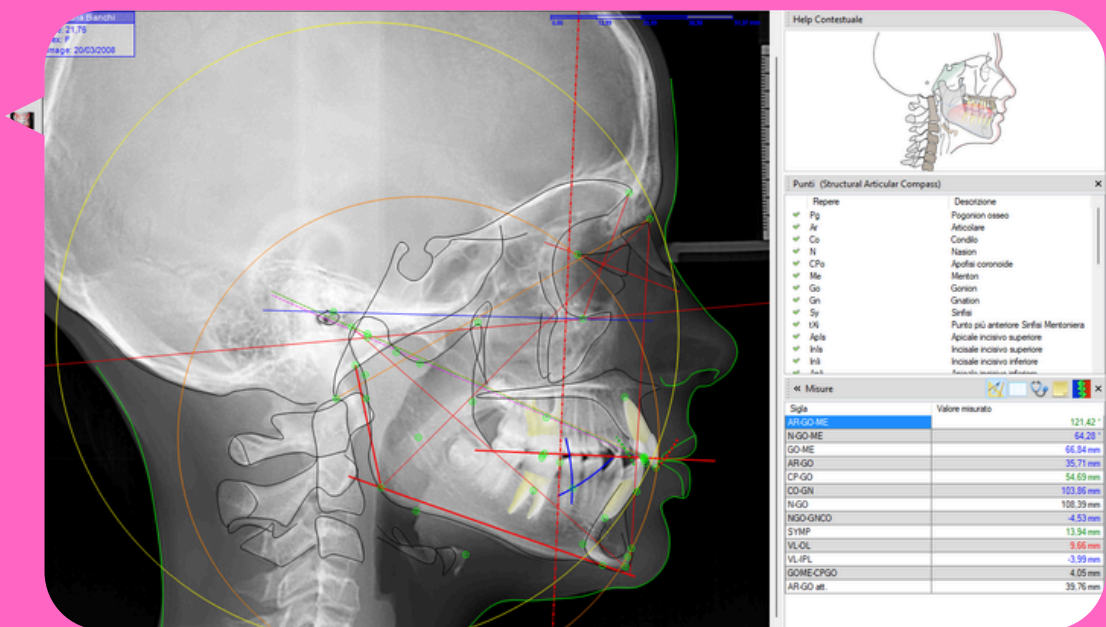
Panorogram



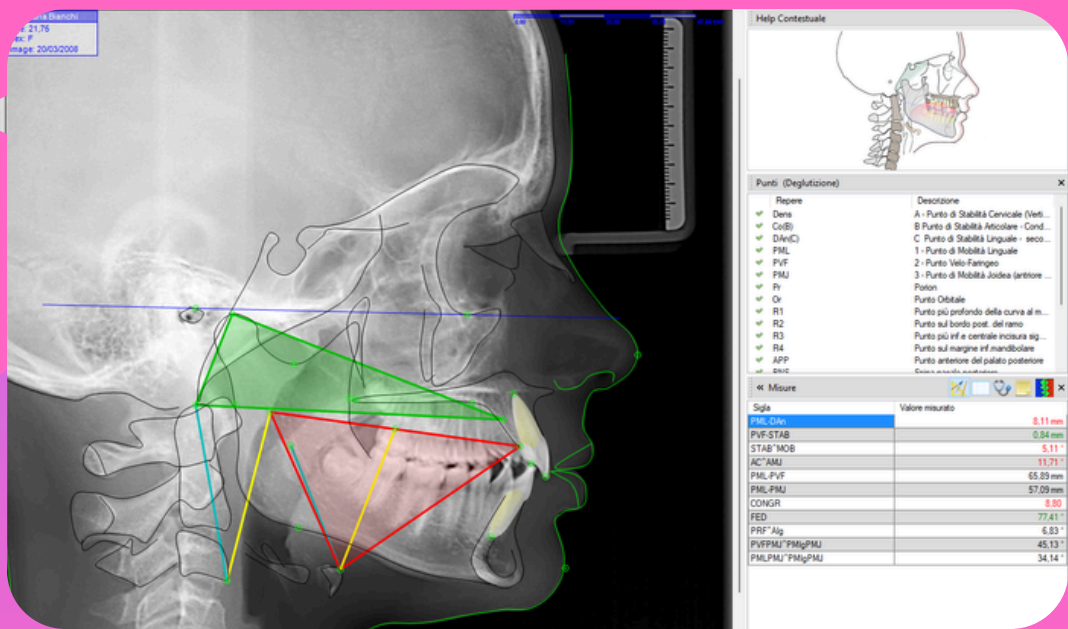
OFM-CISOFM PACKAGE

...

Structural
Articular
Compass by
W. Simoes

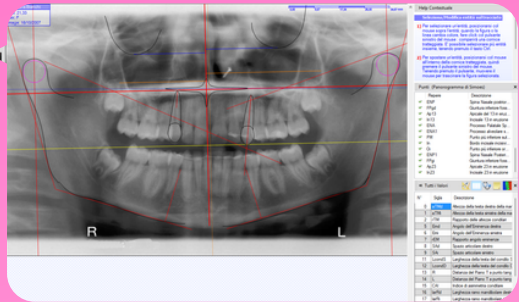
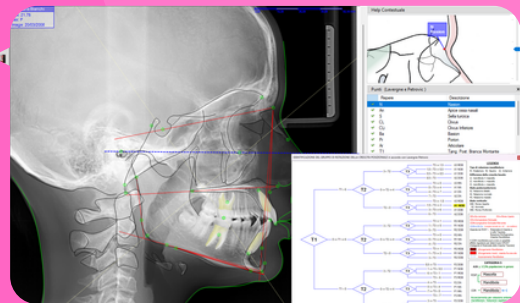
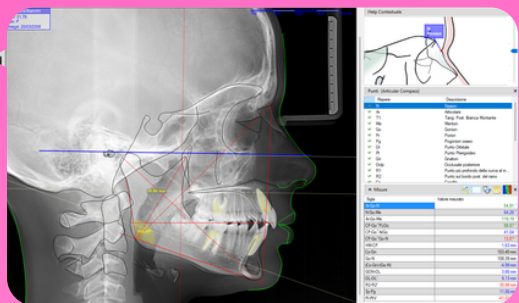
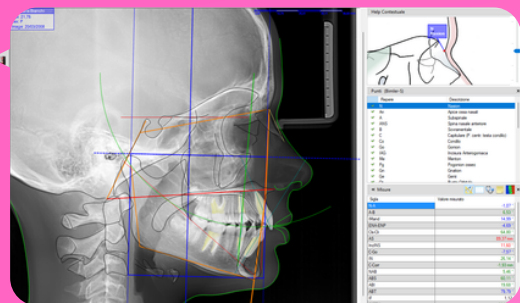
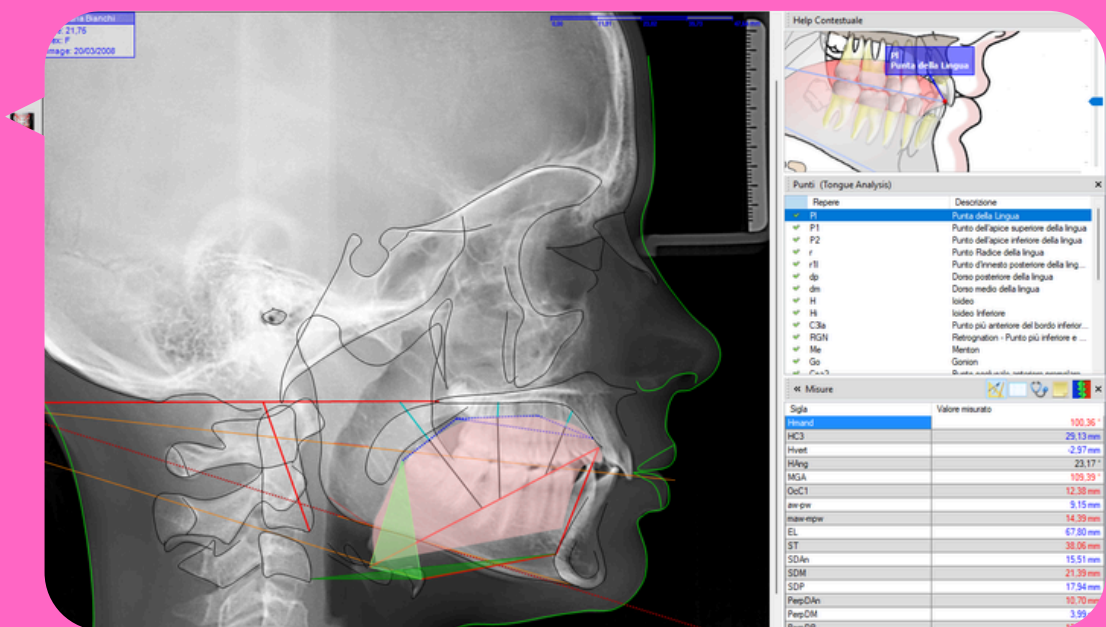


Swallowing
according to
Norma
Chiavaro and
CISOFM



Standard OFM package

Tongue by
R. Brandao

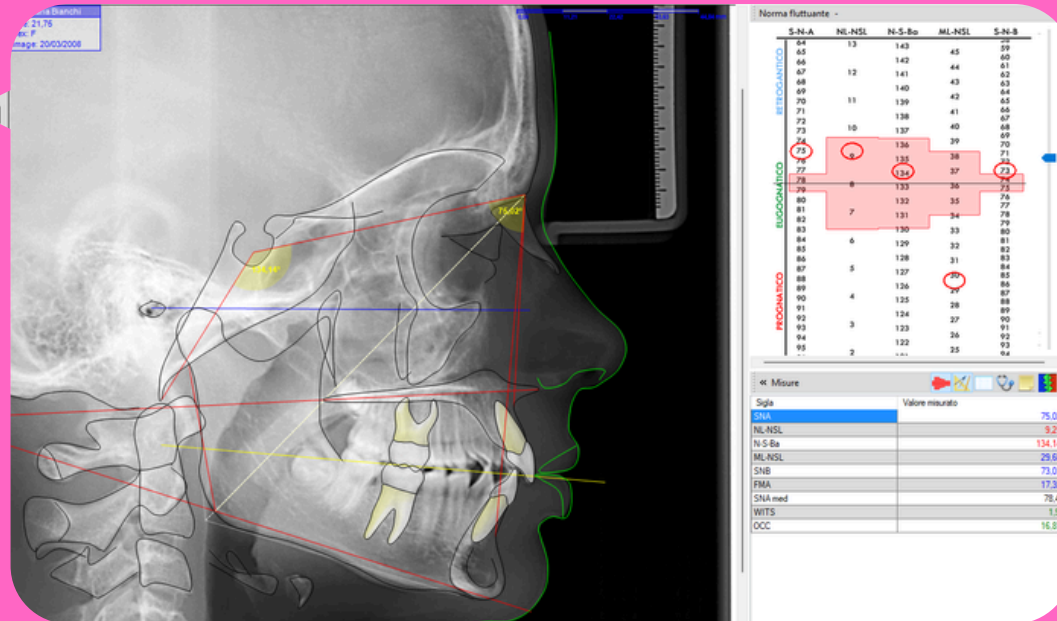


FLOATING NORMS

...

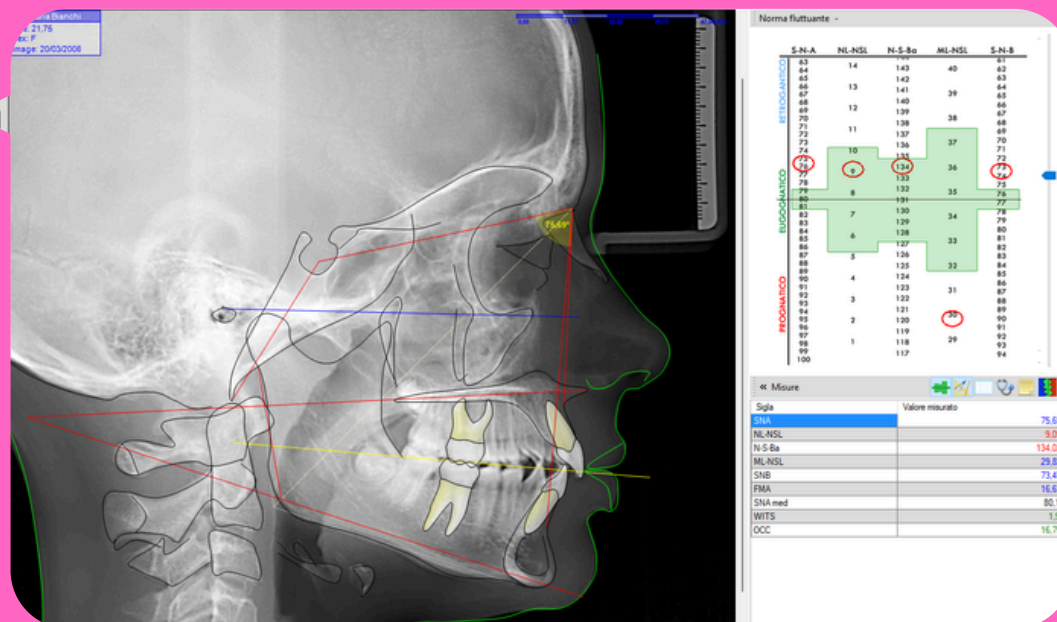
EVALUATION OF THE IDEAL CRANIOFACIAL PATTERN

Mixed Dentition



After choosing the method corresponding to your dentition, simply enter the required landmarks and the individual Harmony Point will be automatically calculated, the template will be positioned, and the measured values will be marked in the corresponding columns. Finally, based on the correlation of the measurements, a brief diagnostic summary will be generated.

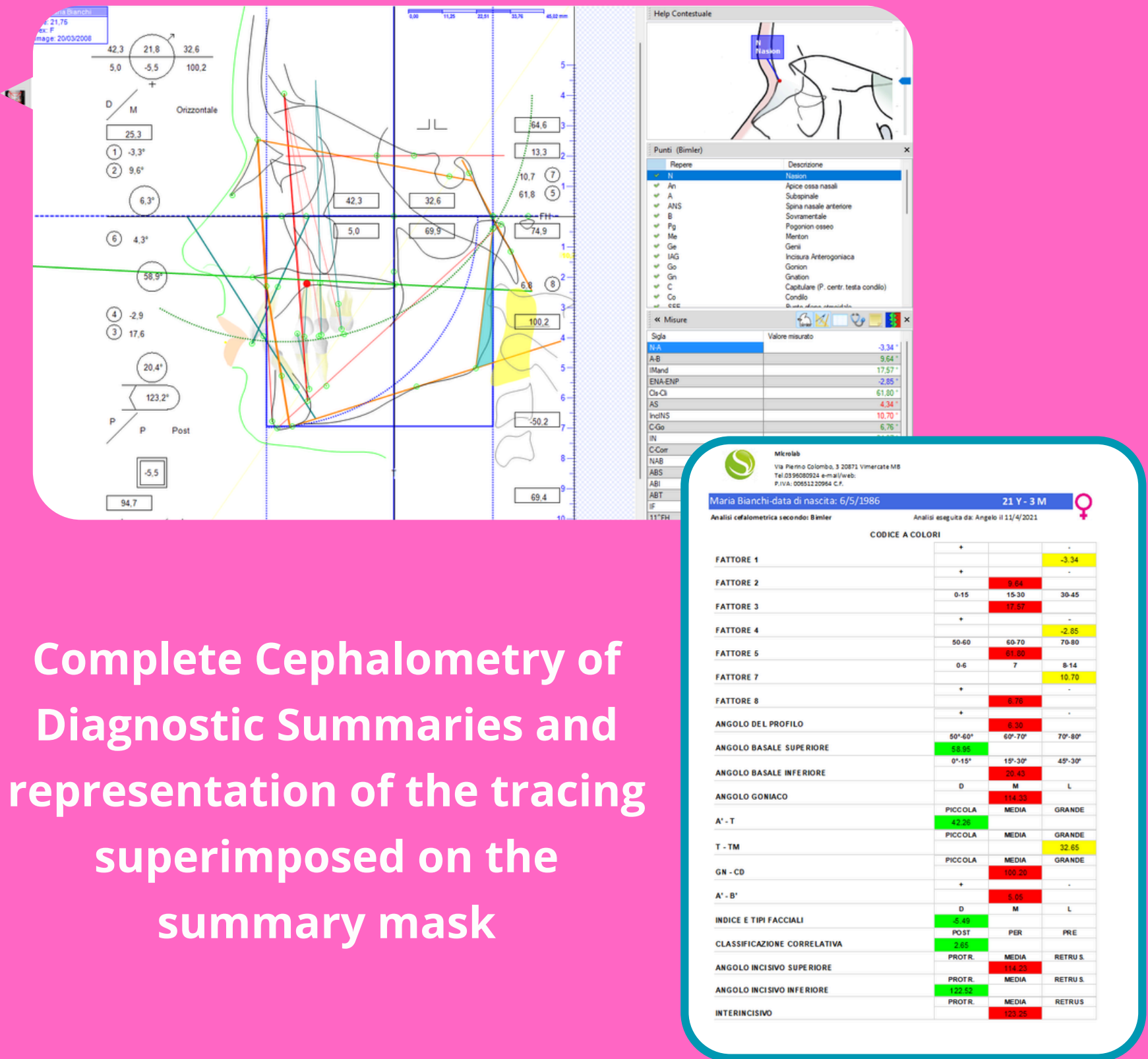
Deciduous Dentition



CEPHALOMETRIC ANALYSIS AND USE OF FLOATING NORMS IN DECIDUOUS AND MIXED DENTITION

BIMLER ORIGINAL

...



The cephalometric module called "Bimler Original" was developed thanks to the experience gained during numerous courses with Professor Wilma Simoes and in direct collaboration with Professor Barbara Bimler (daughter of Dr. Hans Peter Bimler), with whom a recent theoretical/practical course was organized, during which the ORIGINAL clinical material was made available.

The wealth of clinical information combined with the completeness of the cases treated made it possible to implement the TRUE Bimler method, obtaining the most complete cephalometric analysis method among those most used by functionalists. The unique feature of the solution is that it has integrated the Complete Cephalometric Analysis of Diagnostic Summaries with the representation of the tracing superimposed on the summary screen.

Consultancy Management

New OrthoTP module for consultants and laboratories to manage your client evaluations.



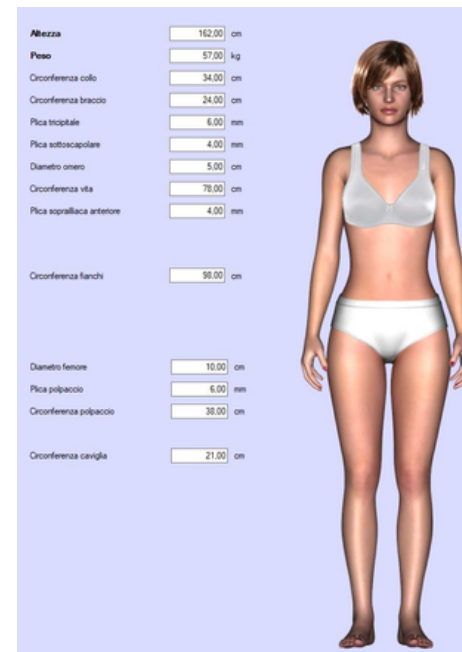
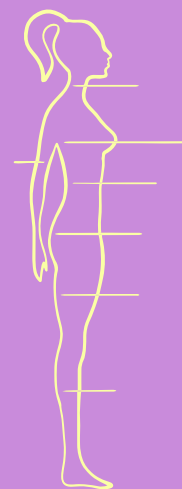
- Patient association with the practice where you provide consultations
- Personalized printing of patient records with practice header
- Multi-consulting management

Body Indexes

To keep patients' overall health under control, a Body Indices assessment module (optional) has been added to the Anamnesis section.

This latest OrthoTP module includes:

- graphical highlighting of the main indicators (BMI, CONSTITUTIONAL BIOTYPE, SOMATOTYPE, and FAT MASS CALCULATION)



Body measurements

The first step to achieving optimal assessment is to record the patient's body measurements.

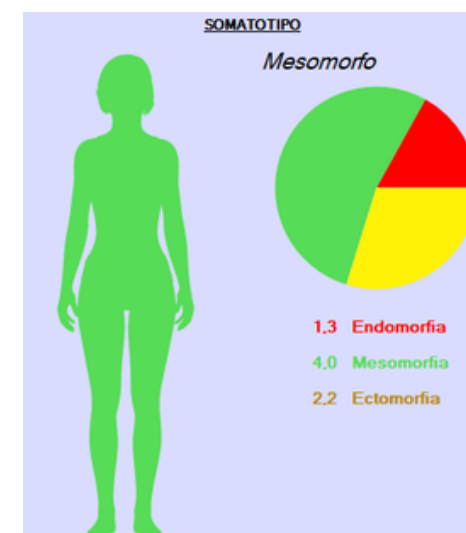
OrthoTP summarizes the essential measurements needed to achieve this goal.



Jean Vague's Constitutional Biotype

It is a classification system developed by French scientist Jean Vague, with the aim of identifying the distribution and accumulation zones of body fat and relating them to specific morphologies and pathological predispositions.

Jean Vague's constitutional biotypes are divided into two categories: Android (typical male) and Gynoid (typical female).



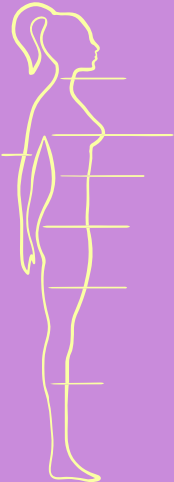
Somatotype

The somatotype is defined based on the subject's anthropometric characteristics. Sheldon (1940) was the first to introduce the concept of somatotype, identifying the presence of three distinct components in each individual:

ENDOMORPHS, MESOMORPHS, ECTOMORPHS

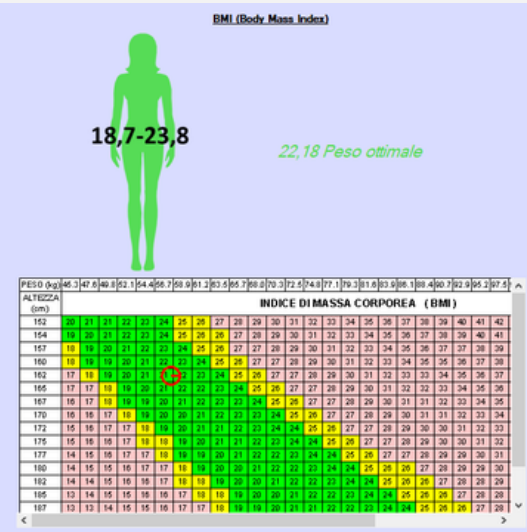
The morphological appearance can be defined by assigning a score ranging from 1 (minimum) to 7 (maximum) to each of these three components.

Body Indexes



Calculating body fat

Fat mass and lean mass are two values that indicate, respectively, the amount of fat in our body and everything that isn't lipids or fats. Calculating these indicators based on your weight and height is important, first and foremost, for determining your body mass index, which is the ratio between them.



BMI

The BMI - Body Mass Index is a rough estimate of body fat.

Proprioceptive Insole Design ...

Module

(for OrthoTP Postural)



In the OrthoTP Postural ecosystem there are new implementations that are moving towards productive solutions that, at the end of postural clinical tests and reflex interrogation, propose solutions to remodulate the primary receptors



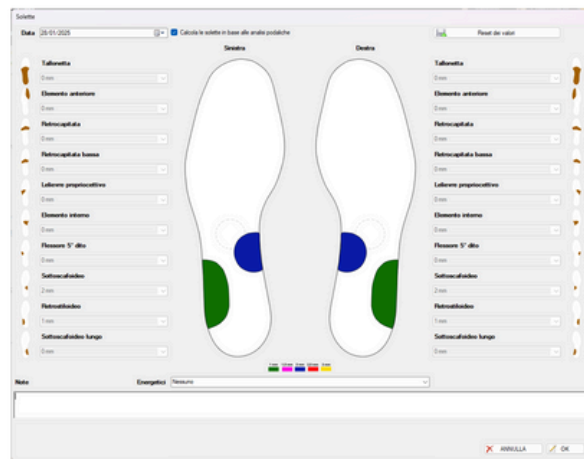
**NEW ORTHOTP POSTURAL
FEATURE**

We are pleased to present our solution dedicated to the foot receptor. By processing the most important correlations objectified by the program and leveraging sophisticated algorithms, we obtain the best solutions for automatically creating proprioceptive insoles.

**AUTOMATED
SOLUTIONS**

In this way, the posture analyst will be able to accelerate the neuropostural remodulation starting from the podalic receptor, when the latter, having adaptive capabilities, supported by the generated device, will produce comfort and rebalancing and many other positive effects that this type of device is able to implement.

VANTAGGI





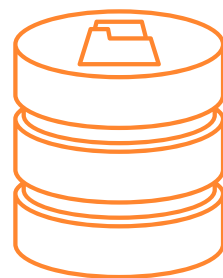
Exporting Prints

PDF, Excel, Word



Advanced patient search

Search using advanced filters such as age, gender, image type, tracks



Data Backup and Restore Utility



Patient import/export

OrthoTP Module Version Table

	ENTRY	BASE	PRO	FULL	ADV
PATIENT DATA	✓	✓	✓	✓	✓
MEDICAL HISTORY AND PAIN	✓	✓	✓	✓	✓
IMAGE FOLDER	✓	✓	✓	✓	✓
ORTHODONTIC IMAGE STATUS	✗	✓	✓	✓	✓
FUNCTIONAL FACIAL EXAM	✗	✓	✓	✓	✓
GRAPHIC DENTAL EXAM	✗	✓	✓	✓	✓
ECONOMIC CLINICAL DIARY	✗	✓	✓	✓	✓
MODEL ANALYSIS	✗	✓	✓	✓	✓
CEPHALOMETRIC TRACINGS	✓	✓	✓	✓	✓
TRACING OVERLAY	✗	✓	✓	✓	✓
SPACE ANALYSIS	✗	✗	✓	✓	✓
DENTAL VTO	✗	✗	✓	✓	✓
METHOD GENERATOR	✗	✗	✓	✓	✓
TMJ EVALUATION FOLDER	✗	✗	✗	✓	✓
POSTURAL FOLDER	✗	✗	✗	✗	✓
DOCUMENT MANAGEMENT	✓	✓	✓	✓	✓
IMPORT/EXPORT ANALYSIS	✓	✓	✓	✓	✓
PRINTS	✓	✓	✓	✓	✓



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