

## Software for Orthognathic Surgery and Orthodontics

### Diagnosis and Treatment Protocols



Dr Arnett

**NemoFAB** is a leading software solution used worldwide for Orthodontics and Orthognathic Surgery designed by Dr. G William Arnett. The NemoFAB software is a complete tool for the diagnosis and treatment of the facial, airway, and bite (FAB) deformities. The FAB methods and protocols are based on 40 years of surgical and orthodontic experience. With the FAB software the doctor is able to provide the best care for the patient.

The FAB software includes the following modules - FAB forms, photo analysis, records generation, volume orientation, osteotomy design, 2D diagnosis and treatment, 3D cephalometric diagnosis/treatment, and splint design/export.

### BENEFITS

#### Total Doctor Control



The doctor runs the software with as much or little help as desired. Doctor control is the key to excellent care.

#### Reduced times



Reduces diagnosis and treatment planning times.

#### Precise and Complete Protocol



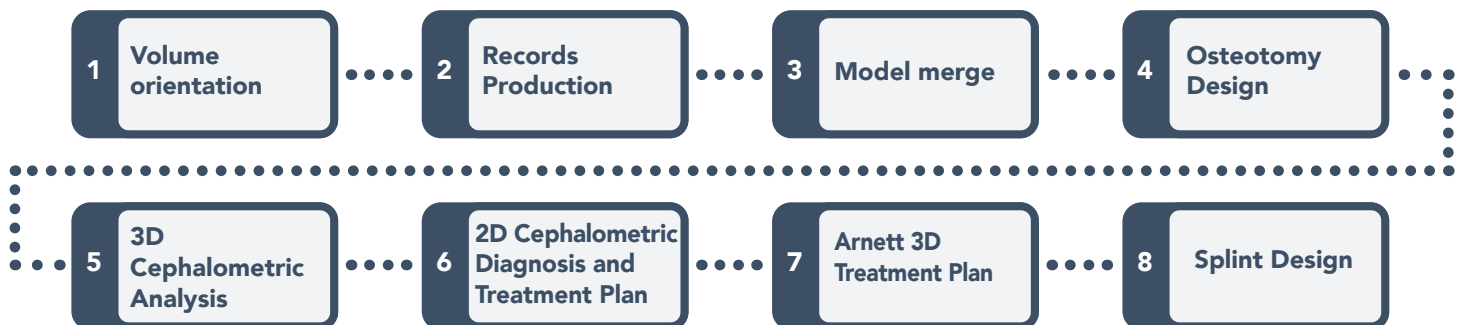
Software tested by international experts. Protocols guided by diagnosis and treatment planning forms.

#### Appropriate communication



Allows excellent communication tools with the patient and referring doctors. Forms to guide the direction of care.

### 8 Diagnosis and Treatment STEPS



- 1 **Volume Orientation:** The orientation of the volume is automatically achieved with the introduction of clinically significant measurements. The facial midlines, levels, and yaw are utilized to orient the volume.
- 2 **Records:** During this process the panorex, headfilms, tomograms, and airway records are automatically and simply produced.
- 3 **Model Merge:** in this step the CBCT and models are rapidly and automatically merged as one, to allow diagnosis and treatment planning to follow. This step is not required in orthodontic diagnosis and treatment planning.

- 4 **Osteotomy Design:** The surgeon designs the osteotomies to reflect exactly his or her preference for anatomical design. The customization of the osteotomies produces a preview of what will be seen in the operating room.
- 5 **3D Cephalometric Analysis:** This step allows precision identification and digitization of important landmarks in the 3D environment. Key landmarks are selected which lead to consistent and superior results.
- 6 **Cephalometric Diagnosis and Treatment Planning:** Soft tissue cephalometric treatment planning is utilized to diagnose problems of the face, airway, and bite in the profile view. Cephalometric treatment planning is then utilized to correct problems which have been identified.
- 7 **3 Dimensional Treatment:** The frontal midline, cant, and yaw corrections are automatically imported from step 1 orientation. The profile corrections achieved in step 6 (cephalometric treatment planning) are imported to correct the anteroposterior, vertical, and occlusal plane deformities. Step 7 corrects the face, airway, and bite in 3 dimensions.
- 8 **Splint Design:** In the final step the doctor is able to design the splint to his or her specifications. The splint can then be made where ever is convenient for the doctors schedule.

## FAB SOFTWARE BENEFITS

- The FAB software allows flexible usage: no set timing nor scheduling dictated by outside service centers. The treatment is done totally on the doctors schedule.
- Accurate volume orientation of the CBCT based on the clinical patient.
- Generation of all records: panorex, tomograms, cephalometric films, and airway analysis.
- The entire treatment process in one place allowing for total doctor control.
- Osteotomy design by the doctor to the doctors specifications.
- Cephalometric analysis according to the methods of Arnett's soft tissue cephalometric analysis and 7 step cephalometric treatment planning. Traditional cranial base cephalometrics available when desired.
- Accurate 3D treatment planning. Clinical data is produced for accurate frontal and profile treatment guided by proven protocols.
- Diagnosis and Treatment planning based on Arnett's methods and protocols.
- The doctor controls time and location of all aspects of the software experience.
- FAB software allows the doctor to do as little or as much of the treatment process as desired with technical support as needed.
- FAB enables model block to software conversion.
- All records stored in the image library including 2D and 3D imaging, photographs, examination forms, 2D/3D treatment, and more. Every record in one place for organized treatment and review.
- Orthognathic Surgery and Orthodontic versions available.

An additional benefit of the **FAB** software is integration with other Nemotec software modules: **NemoDent, DSD, implants, Nemocast, and Nemobox.**



Discover and request an online demo of NemoFAB software by calling:

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## ABOUT NEMOTEC

