

USER MANUAL
3D NASAL VISTA 2.0



N·A·S·A·L
NASAL ADVANCED SYSTEMS OF AIRFLOW LAB

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I. Systems requirements

3D NASAL VISTA 2.0

► Recommended system requirements

Intel® Core™2 Duo Processor or AMD Phenom® II Processor

Windows® XP and later, Mac OS X 10.6 and later

Compatible video card with DX9 and later

2GB RAM

500mb space on the hard disk

Screen of 1024x768

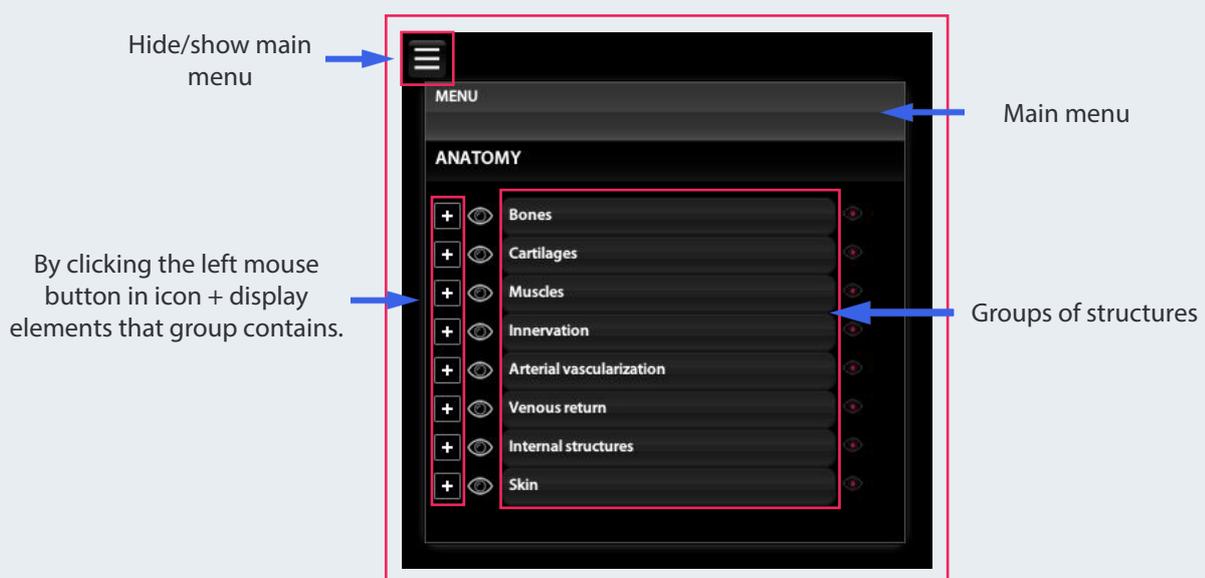
II. Main menu

3D NASAL VISTA 2.0

When you run the program, this image appears. On the left is the main menu, 3D objects in center of screen and in the bottom the different settings of the program.



*figure 1



*figure 2

*figure 1: Work area of 3DNasal Vista 2.0.

*figure 2: The main menu where you have access to all functions that are related to the anatomy.

III. Main popup menu

The icon - appears when the menu is deployed. If you click again closes the menu

Activating this icon selected object is hidden. If you click again displayed again

By clicking on this icon the camera focuses on the selected object hiding objects that hinder their correct display

By clicking on this icon the selected group is transparent

By clicking on the X close the window

By clicking on a object appears a window with the description of selected object

*At the bottom of the window contains buttons of display control object

***Hide selection:** hide/show selected object.

Reversed display: all objects become transparent except the one selected.

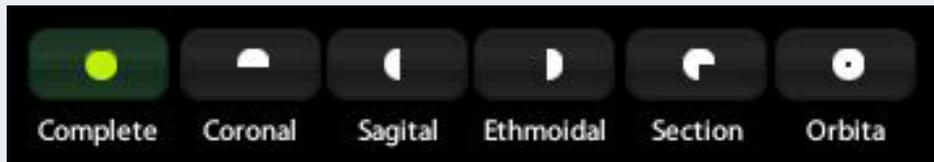
Zoom+ & Zoom-: zoom control on the selected object.

Camera center: the camera focuses on the selected object.

IV. Bottom buttons

3D NASAL VISTA 2.0

At the bottom of the screen are a series of buttons:



VIEW MODES:

Complete: by clicking this button left objects are restored and becomes the initial state of the program.

Coronal: the anatomical structures are visualized with a coronal cut.

Sagittal: the anatomical structures are visualized with a sagittal cut.

Ethmoidal: the anatomical structures are visualized with an ethmoidal cut.

Section: a section of the anatomy is hidden to see the interior of the structures.

Orbita: the mode in which all the structures of the orbit can be visualized is activated.



By clicking this button activates the CT images. The top belongs to the CT Axial, left the Coronal and Sagittal right to. Clicking on any of the planes a slide bar appears to move the CT.



AXIAL CT



CORONAL CT



SAGITTAL CT

**Position:**

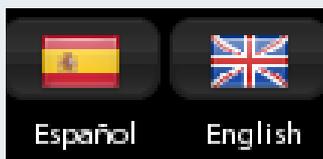
Structures return to their initial position.

**Drawing:**

When viewing the drawing mode structures improves depth perception.

**Credits:**

The Doctors who have intervened in the elaboration of this software.

**Español - English:**

Languages in which you can configure the program.

**Help:**

Help button for program controls.

**Endoscopic:**

Endoscopic view mode with change in camera rotation.

Override rotation

Left mouse button (rotation is blocked with mouse)

Left mouse button + "Z" key

Z axis rotation (front to back)

Left mouse button + "X" key

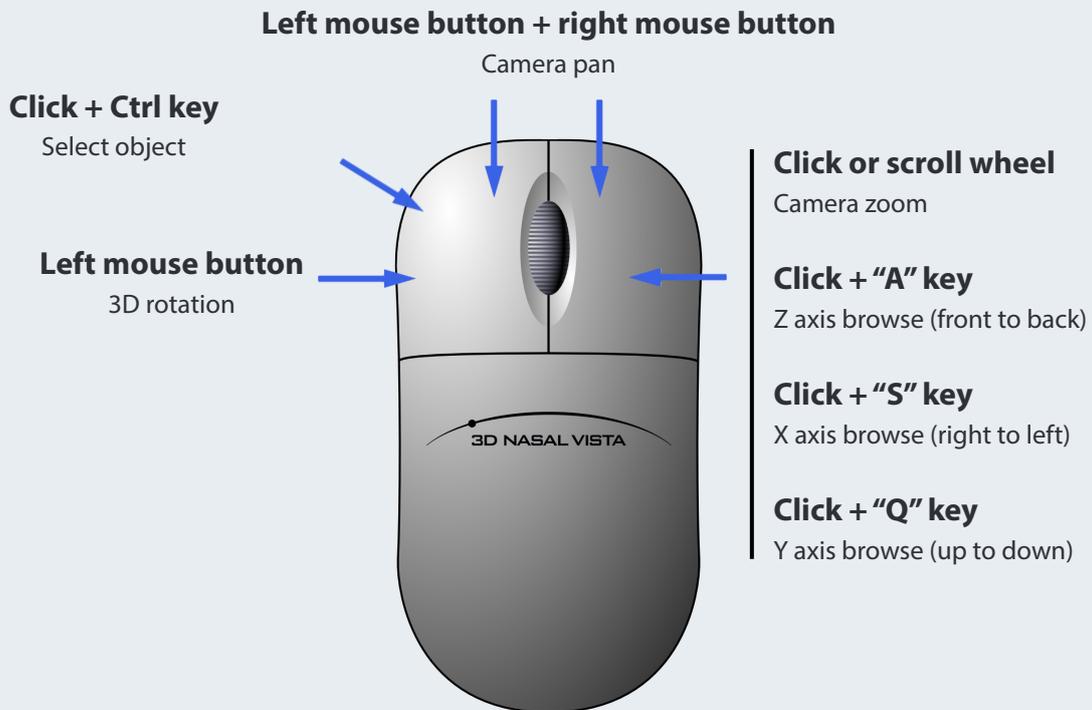
X axis rotation (right to left)

Left mouse button + "C" key

Y axis rotation (up to down)

V. Other functions/hotkeys

3D NASAL VISTA 2.0



"F" key: pressing the "F" key the windows on the screen are hidden.

"G" key: pressing the "G" key the windows of the screen are show again.

"H" key: pressing the "H" key the selected structure is hidden.



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