



**Version 1.2**

## Users' manual

---

### **Foreword :**

Natom is a software that is intended for the discovery and explanation of the great principles of the human body's functions. It has been conceived and produced by Geckomedia with the approval and guidance of Scientific Committee.

# I - Before Starting

## A - Installing the software

Remark : The minimum recommended configuration is : Pentium© 233 Mhz (or equivalent), 64 Mo of RAM, SVGA screen (800X600 minimum), 16 million colours.

1. Insert the CD-Rom in the drive.
2. A window automatically opens to invite you to install Natom software on your computer hard disk.
3. Follow the screen-displayed instructions.
4. The program installs the necessary files on the hard disk (by default c:\Program Files\geckomedia\natom).
5. At the end of the installation, a message invites you to reboot your computer.

You can launch Natom installation from Windows explorer : click on the icon corresponding to the CD-Rom drive : then double-click on "setup.exe".

## B - Starting the software

Click on Natom shortcut ::



Or :

1. Click on the "Start" menu
2. Then Programs, Geckomedia, Natom
3. Click on "Natom".

## C - Display parameters

Natom adapts automatically to your screen's resolution.

Choice of home page, you can show on your home page the man or woman with or without underwear or even with following symbols.

Natom can even stores your drawing preferences (width and color).

## D - Quitting the software

### 1 - Quitting the software

In order to quit the application for good, click on  or press ( Alt + F4 ).

### 2 - Minimze Natom

If you want to make the Natom window disappear for a short while, you just need to click on .

## E - Uninstalling the software

1. Click on the "start" menu
2. Then Programs, Geckomedia, Natom
3. Click on "Uninstalling Natom".



## II - Software functioning

### A - Context help

Tooltip will appear when you go over each icon, they will tell you its function.

### B - Choosing the character

From the home page, you can select the male or the female character.

You can also go from one to the other, starting from the icons representing the male character  or the female one , when the corresponding charts are available..

Remark : As far as the female character is concerned, this first version of the software only includes the charts representing her breasts and genital organs. To access them, select the female character and click respectively on the thorax or the true pelvis area.

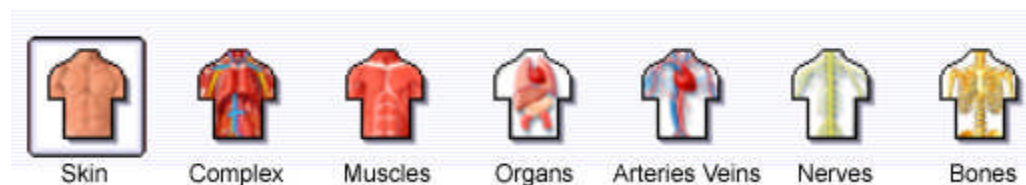
### C - Navigating inside the human body




In order to navigate inside the human body you can use :




- the mouse : you must have previously clicked on “select” before navigating (selection mode).
- Keyboard shortcuts.
- The scroll wheel of your mouse : if you have got one it enables you to move vertically.

#### 1 - Choice of the topographical anatomy

You can visualize the character's different main layers :



To access the main layer desired, click on the corresponding icon or use (  or  +  ).







To access the derived layers, click on  or  or  ). A gauge indicates the total number of layers.

At any time you can show the corresponding legend by clicking on .

Main layers	Derived layers
Skin	None
Superficial complex	Deep complex

Superficial muscles	Deep muscles, bursae and synovial tubes
Organs layer 1	Organs layers 2 to 7
Arteries	Veins
Nerves	Dermatomes / cutaneous innervations
Bone	Bones and ligaments / Bones and bursae and synovial tubes

## 2 - Four angle shots

You can visualize the character in different postures: anterior, posterior, external lateral and internal lateral views. Click on one of the two buttons  or  to make the character rotate or use (  +  or  +  ).





The following table sums up the charts which are available at the moment..

Charts which are available according to the postures :

Topographical anatomy	Anterior	Posterior	External lateral	Internal lateral
Bones	o	o	o	1
Bones and ligaments	o	o	o	1
Bones, ligaments, capsules and bursae	o	o	o	1
Nerves	o	o	1	1
Arteries	o	o	1	1
Veins	o	o	1	1
Organs (7 layers)	o	x	x	x
Superficial muscles	o	o	o	1
Muscles, bursae and synovial tubes	o	o	o	1
Deep muscles	o	o	1	1
Superficial complex	o	o	1	1
Deep complex	o	o	1	1
Skin	o	o	o	1
o : available / x : not available / 1 : arm and leg				

## 3 - Zoom-in and Zoom-out

You can expand the area which interests you by selecting the corresponding zone in the main window or by using a keyboard shortcut : when you press on the spacebar, you visualize the different selectable zones, which are associate with a number, type the number on the keyboard in order to zoom in on the required zone.

You can go back to the previous zoom level by clicking on , the main character . To go back home click on  or press .

Remark : The mini-character, located on the bottom right-hand side of the main window, always shows you on which body part you are situated.

#### 4 - Movements on the character

You can move towards a neighbouring area with :

- the mouse : put your cursor (only if you have previously clicked on “select”) on the internal limit of the main window, when an arrow appears, click to access the neighbouring chart (superior, inferior, left or right).





- the keyboard : use the arrows (     ).

Remark :


- If you have a scrolling mouse, you can use it to move vertically.

- In line with the anatomical reference, only the charts of the right body part are accessible.











#### 5 - Previous image / Next image

In order to go back to a previous image, click on  or press  (on the numpad). If you want to go back to the last selected image, click on  or press  ( on the numpad).

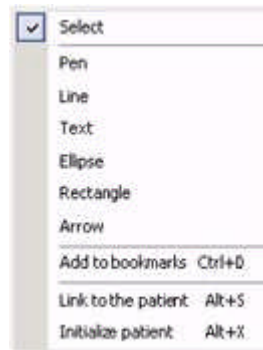
#### D - Tools to annotate anatomical charts

You can annotate the chart which interests you. If you click on one of the buttons described on the following page, you go through the annotation mode. In order to navigate again inside the human body with the mouse, you must click on  to go back to the selection mode.


The annotation tools are displayed in the following table :

Icônes	Fonctions
	Pen
	Line
	Arrow
	Text
	Ellips
	Rectangle
	Color
	Erase last drawing
	Redo last drawing
	Erase all drawings

You can also access the annotation tools or come back to the selection mode, by clicking on the right button of your mouse :



## 1 - Drawing tools

After having selected the text tool , click on the picture where you want to insert the text. Two buttons appear, one to validate and the other to cancel the writing.

*Remark : Making "copy and paste" is possible from the standard word processing applications.*

## 2 - Other tools







After having selected the tool, move your mouse in the main window, while going on pressing the mouse button

## 3 - Moving a text or a drawing

You can move each of your annotations on the chart. In the annotation mode, put the cursor on the object which you want to move. Click on the right button of your mouse. Then click on "Move".

## 4 - Delete a text or a drawing

You can delete each of your annotations on the chart. In the annotation mode, put the cursor on the object you want to delete. Click on the right button of your mouse.

Then click on "Delete". You can also use the  button to delete the last drawing (or text) or use (  +  ). If you delete a drawing (or a text) by mistake, you can restore it by clicking on  or use (  +  ).


You can also use the  or use (  ) to erase all drawings.

## E - Main menu

### 1 - Opening an image

From Natom software you can open a saved image or any one on your computer (Gif, Tiff, Jpeg or Bmp formats) in many ways :


Click on  .  
or

Click on , then choose "Open".  
or


Use (  +  ).

## 2 - Saving an image

You can save an annotated image in many ways :

Click on  .

or

Click on  , then choose "Save as..." .


or

Use (  +  ).


## 3 - Sending image by mail

*Remark: to e-mail images, an electronic mail software must be installed on your computer. The latter must be connected to the internet.*



You can e-mail an image in many ways :

Click on  .

or

Click on  , then choose "Send to" .


or

Use (  +  ).

*Remark : The weight of a Natom image, annotated or not, does not exceed 150 k-byte.*

## 4 - Printing an image

### a) Print configuration


To change the printing parameters, click on the  , menu, then select "printing configuration". A dialog box enables you to select : the printer, the paper orientation (landscape or portrait), colours or B/W, etc...

### b) Print preview


To view before printing, click on  then select "Printing preview".

### c) Printing

From Natom software you can print an image in many way :

Click on  .

or

Click on  , then choose "Print".


or

Use (  +  ).

## 5 - Help

To display the help click on  then choose "Help".





## 5 - Managing tabs

Click on  and choose "Tabs", then you can either click on "Manage" or "Add" to add the current picture in the tabs.

You can add new folders or pictures and place them where you want in the tabs. Click on the element you want to move. While pressing the mouse left button move the mouse until the element is in the right place.

## F - Patient folder





### 1 - Create a patient folder

To create a new folder, click on  or from the "Patients visualization" window, click on "New" or click on  and select "Patient : New" or use (  +  ).

A window opens to type the patient's information as well as the details concerning her/him. Click on "Save" before closing the window.

### 2 - Modifying a patient folder

If you have not selected any patient :

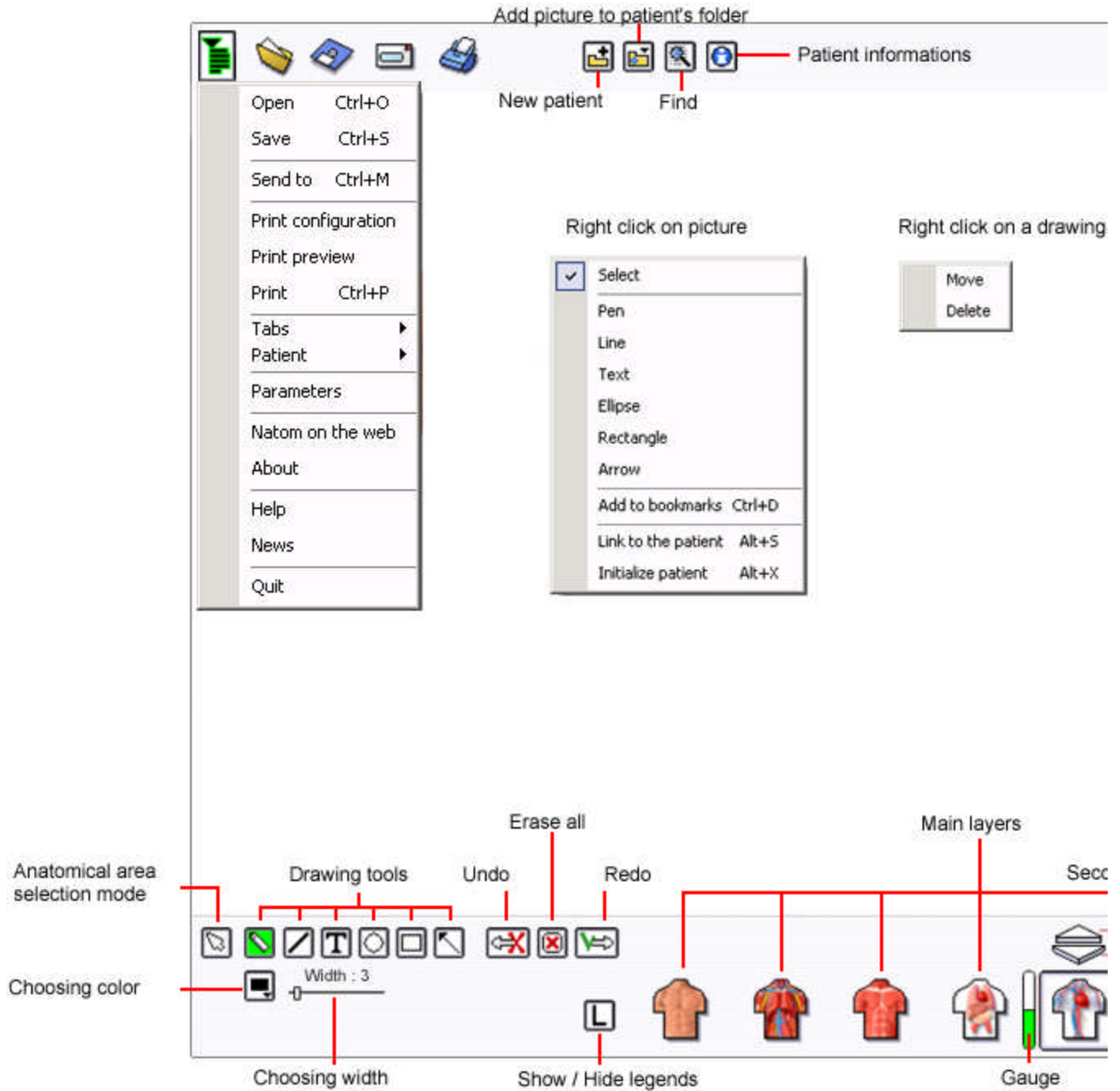
To access the information on a patient, click on  or click on  then "Patient : Find" or use (  +  ). Click on the corresponding patient folder, then on the "Modify" button. In the "Patient modification" window, you can change the information on her/him. A window opens to type the patient's information as well as the details concerning her/him.

If you have already selected a patient :

*(her/his name is written on the top of the main window)*

Click on  to open "Patient's information" window, then click on "Modify".

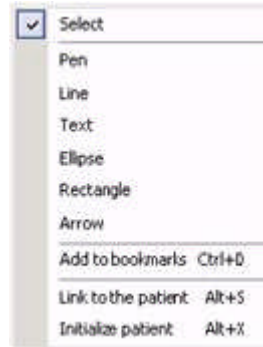
### G - Interface references



## H - Right click and shortcuts

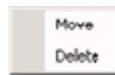
### 1 - Right click

Click on the right button of the mouse (annotation or selection mode) to access the following functions :










































*Remark : the mouse cursor must be positionned over the image but not over a draw.*

Click on the right button of the mouse when the cursor is over a draw in order to move or delete it :



## 2 - Shortcuts

Function	Shortcut
Back to the home page	 (Escape)
Show all the selection fields	 (Space bar)
Zoom in	Area number
Zoom out	 (BackSpace)
Move upward	 (Up arrow)
Move downward	 (Down arrow)
Move right	 (Right arrow)
Move left	 (Left arrow)
Main layers selection	 or  +  (Tab or Shift + Tab)
Derived layers selection	 or  (Page up /Page down)
Rotate	 +  or  +  (Shift + left / Shift + right)
Previous picture	
Next picture	
Show/Hide legends	 +  (Ctrl + L)
Delete last drawing	 +  (Ctrl + Z)
Redo last drawing	 +  (Ctrl + A)
Erase all drawings	 (Suppr)
Open a picture	 +  (Ctrl + O)
Save as...	 +  (Ctrl + S)
Send current picture by mail	 +  (Ctrl + M)
Print	 +  (Ctrl + P)
Add to tabs	 +  (Ctrl + D)
Manage tabs	 +  (Ctrl + B)
Quit	 +  (Alt + F4)