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DIGISTAT® Forms

DIGISTAT® Version 4.3

User Manual

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DIGISTAT® version 4.3

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Contents

Contents	3
1. Clinical Forms	4
1.1. Customizable digital patient documentation	4
1.2. Module selection.....	4
1.3. Patient search and selection.....	4
1.4. Screen structure	5
1.5. Screen contents	6
1.6. Command bar	6
1.6.1. How to create a new record.....	7
1.6.2. Data editing	8
1.6.3. Data editing procedures.....	8
1.6.4. Print.....	11
1.6.5. Data export	11
1.6.6. Deleting a record	12
1.6.7. Clinical Forms design functionalities.....	13
1.6.8. Adding a patient note	13
1.6.9. Smart navigation functions	15
1.7. The navigation bar / Records logical structure	17
2. Contacts.....	20

1. Clinical Forms



For general and detailed information about the DIGISTAT® environment and the instruction for use of the Control Bar software see the document “DIG UD CBR IU 0005 ENG V01 - Digistat Control Bar User Manual”.

1.1. Customizable digital patient documentation

DIGISTAT® Clinical Forms provides a complete, customizable digital patient documentation that fits to the needs and goals of the specific department/organization.



The DIGISTAT® Clinical Forms module is widely customizable. This manual describes, as examples, some standard configurations that are chosen among the numerous possible ones.

The screens and functionalities actually implemented in your healthcare structure can therefore be different from that here described. Please contact your ASCOM UMS distributor if a more specific documentation is required.

1.2. Module selection

To select the “Clinical Forms” module

- Click the corresponding icon on the lateral bar (Fig 1).



Fig 1 - “Clinical Forms” module icon

The kind of screen displayed after the module selection depends on the configuration in use. If no patient is selected no data are displayed on screen. If a patient is selected the screen displays the selected patient data.

1.3. Patient search and selection

To select a patient, if you are using for this purpose a DIGISTAT® software,

- click the **Patient** button on Control Bar (Fig 2 D)

The DIGISTAT® Patient Explorer module is this way launched (if the module is present in the configuration in use). See the related technical documentation to know the specific search and selection procedures. If the patient search and selection software in use is not a DIGISTAT® software, then see the related documentation.



If your Healthcare Structure does not use a DIGISTAT® software for the patient search and selection, please refer to the specific software documentation.

When a patient is selected the data displayed on the screen refer to the selected patient.

1.4. Screen structure

The different screens of the “Clinical Forms” module are characterized by a structure that remains the same independently from the screen’s specific contents. This structure is highlighted in Fig 2. Fig 2 shows a screen containing the patient’s personal data and the patient contacts.

The screenshot displays the 'PATIENT DATA' and 'CONTACTS' sections of the software. The 'PATIENT DATA' section includes fields for Family Name (ROSSI), Given Name (MARIO), Patient Code (1123), Sex (M), Birthdate (02/06/1985), Actual Age (24 y), Marital Status (Never married), Occupation, Language Preference (Hungarian), Interpreter (Y), Address (Penny Lane), and City (Liverpool). The 'CONTACTS' section includes fields for Closest Relative (Mum), Emergency Contact (Mum), and Family Physician. The interface also features a vertical navigation bar on the right with buttons for Patient, Admission, and Anamnesis. A command bar at the bottom contains buttons for EDIT, PRINT, EXPORT, DELETE, DESIGN, NOTES, CANCEL, UPDATE, and GO TO... The status bar at the very bottom shows the patient name (ROSSI, MARIO), user information (ICU User ADM), and the DIGISTAT logo.

Fig 2

Three main components can be highlighted on every screen:

- 1) the command bar (Fig 2 A);
- 2) the screen contents (Fig 2 B);
- 3) the navigation bar (Fig 2 C).

1.5. Screen contents

The central part of every screen displays the information related to the specific functions of the configuration in use. The screen shown in Fig 2 displays the patient data; other screens (i.e. other “forms”) display data of a different kind. Fig 3, for example, refers to the patient anamnesis.

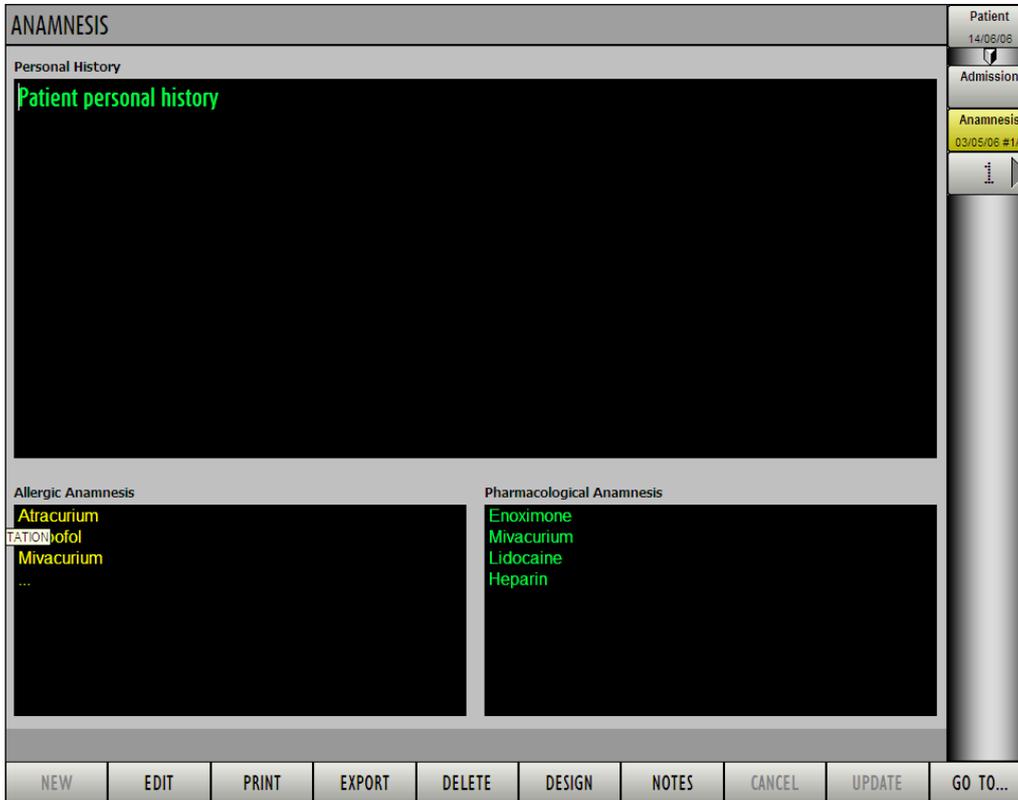


Fig 3 - Patient anamnesis

1.6. Command bar

The buttons on the command bar (Fig 4) make it possible to perform different procedures. These buttons can be either enabled or disabled depending on the current screen and the related contents.

The functions of the different buttons are summarized in this paragraph. Each function will be described in more detail in the indicated paragraphs.



Fig 4 - Command bar



This button creates a new form of a specific kind. See paragraph 1.6.1.



This button makes it possible to change the contents of the screen currently displayed. Click this button to turn the screen to “edit mode”, enabling this way data entry (see paragraph 1.6.3 for the possible “data entry” procedures).



This button makes it possible to print the screen contents. Click this button to display a print preview of the relevant document.

- EXPORT** This button makes it possible to export the displayed data to a text file. See paragraph 1.6.5 for the detailed procedure.
- DELETE** This button deletes the current record and all the records depending on it. See paragraph 1.6.6.
- DESIGN** This button opens the “Form editor”, a tool making it possible to design new forms (or to modify the structure of the existing ones). This function is reserved to the system administrator. Please contact the ASCOM UMS technical assistance for more information on this functionality.
- NOTES** This button makes it possible to add a note relating to the selected patient (See paragraph 1.6.8 for the detailed procedure).
- GO TO...** This button opens a smart navigation tool (See paragraph 1.6.9 for the detailed procedure).

1.6.1. How to create a new record

The **New** button (Fig 5 A) on the command bar makes it possible to create a new, empty record of a specific kind.



Fig 5 - Command bar

To create a new record of a specific form

- Access the relevant form,
- click the **New** button on the command bar.

A new, empty record of the same kind of that currently displayed opens. I.e: when the “Patient visits” record is displayed the “New” button creates a new empty “Patient visits” record; when the “Exams” record is displayed the “New” button creates a new empty “Exams” record. No data are on the record created this way. The record is in “Edit mode” (data entry enabled).

- Specify the data on the new record.

The buttons **Cancel** and **Update** (Fig 5 B) are active. When these buttons are active the command bar looks like the one shown in Fig 6:



Fig 6

After data entry

- click the **Update** button to save the new record.

The **Cancel** button makes it possible to discard the changes made.



When the **New** button is disabled the new record creation procedure is not available.

1.6.2. Data editing

The **Edit** button on the command bar (Fig 7 A) makes it possible to change the contents of an existing record.



Fig 7 - Command bar

To edit an existing record,

- access the record to be edited.
- Click the **Edit** button on the command bar.

The record turns to “Edit” mode. Data entry is this way enabled. The **Cancel** and **Update** buttons (Fig 7 B) activate. When these buttons are active the command bar looks like the one shown in Fig 8:



Fig 8

- Edit the record data.
- click the **Update** button to save the changes.

The **Cancel** button makes it possible to discard the changes made.

1.6.3. Data editing procedures

The different fields on the “Clinical Forms” module screens are characterized by different data specification procedures. This paragraph describes some common examples.

1) *Checkbox selection*



Fig 9 - Checkbox

- Click the checkbox (or the checkboxes) corresponding to the option that must be present/enabled/activated.

In Fig 9, for instance, the user indicated that the current record refers to an emergency.

2) Free text



Fig 10 - Free text

- In this kind of fields just type the required information.

3) Drop down menu

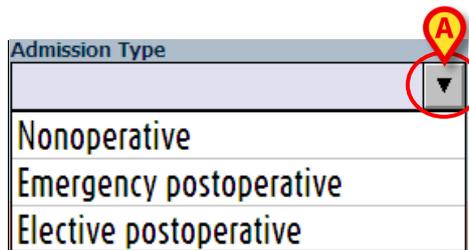


Fig 11 - Drop down menu

- Click the  button placed alongside the field (Fig 11 A).

A menu containing several pre-defined options opens.

- Double-click the wanted option. The chosen option is this way displayed in the field.

4) Codefinder module



Fig 12

- Click the  button placed alongside the field (Fig 12). The DIGISTAT® Codefinder module opens (Fig 13).

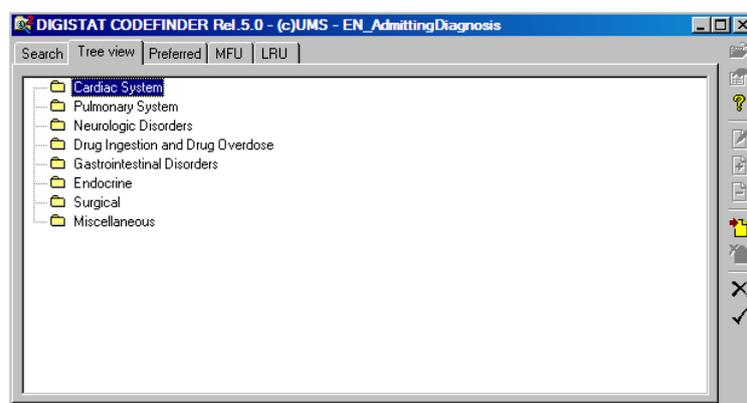


Fig 13 - Codefinder

- Use the Codefinder's search and selection tools to specify the required information.

See the "Codefinder" module user manual for a detailed description of these functionalities.

1.6.4. Print

The **Print** button on the command bar (Fig 14) makes it possible to print the patient documentation.



The format and the contents of the print reports are in part customizable. Please refer to your system administrators for more information about the print reports configuration.



Fig 14 - Command bar

To do that

- click the **Print** button. A print preview opens.

1.6.5. Data export

The **Export** button on the Command bar (Fig 15) makes it possible to export the data of one or more pages to a text file.



Fig 15 - Command bar

To do that

- click the **Export** button. The window shown in Fig 16 opens.

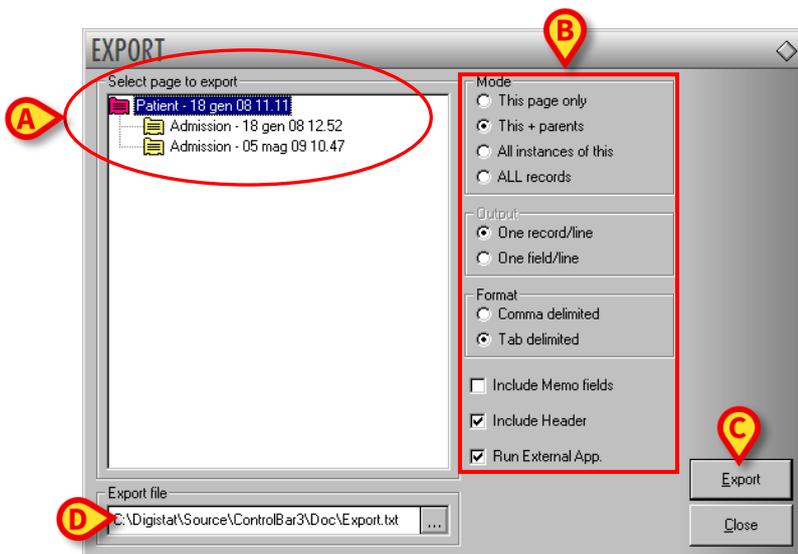


Fig 16 - Data export

The “Export” window makes it possible to define:

- 1 - the set of data to be exported,
- 2 - the export modality,
- 3 - the destination of the file created.

On the left of the window, under the title “Select page to export” (Fig 16 A), a tree graph represents the structure of the patient’s pages (see paragraph 1.7 for an explanation of the pages structure within the “Clinical Forms” module).

Every “leaf” of the “tree graph” represents a page. Each page is characterized by the page title, the page creation date and time.

Click a line on the graph to select the corresponding page. In the figure the “Patient” page is selected (the corresponding line is highlighted).

On the right of the window (Fig 16 B) there are several options regarding the way the page is exported (for instance: export only the selected page vs. export the selected page and the parent pages - export one record per line vs. export one field per line etc...).

The box indicated in Fig 16 D specifies the destination of the export file created. Click the  button to open a window making it possible to specify the destination file.

To export the data of a specific page,

- click the **Export** button on the command bar (Fig 15). The window shown in Fig 16 opens.
- Click the row corresponding to the page containing the data to be exported (Fig 16 A). The row is highlighted.
- Click the **Export** button indicated in Fig 16 C. The data of the selected page are this way exported to a text file.



The pages to be exported are characterized by a magenta icon  on the tree-graph on the left of the window (Fig 16 A).

1.6.6. Deleting a record

The **Delete** button on the command bar (Fig 15) makes it possible to delete a record. All its “children records” are deleted as well. See paragraph 1.7 for an explanation of the pages structure within the “Clinical Forms” module.



Fig 17 - Command bar

To delete a record

- access the record to be deleted.
- Click the **Delete** button. User confirmation is required (Fig 18)

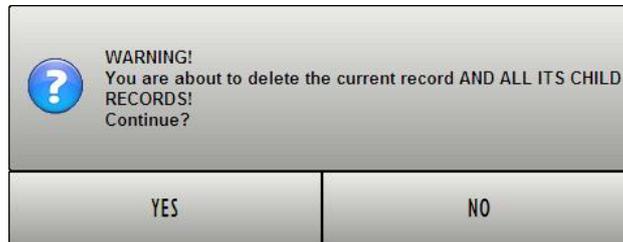


Fig 18

- Click **Yes** to delete the current record and all its “children records”



The deletion of a record is a critical and irreversible action. Only the system administrator, or person having an analogous permissions level, is enabled to perform it. Otherwise the Delete button is disabled.



It is also possible to delete a record using the CANCEL button on the “Smart navigation window”. See paragraph 1.6.9 for more details.

1.6.7. Clinical Forms design functionalities

The **Design** button (Fig 19) opens the “Form editor”, a tool making it possible to design new forms (or to modify the structure of the existing ones). This functionality requires some programming skills and specific training, so it is reserved to the system administrators. Please contact the technical assistance for more information. The button is either disabled or not present if the user is not allowed to access the “design” functions.



Fig 19 - Command bar

1.6.8. Adding a patient note

The **Note** button on the command bar (Fig 20) makes it possible to add a patient note.



Fig 20 - Command Bar

To add a note

- click the **Notes** button. The following window opens.

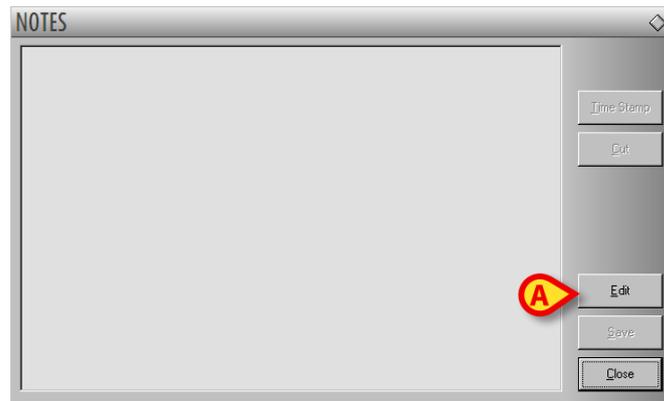


Fig 21 - "Notes" window

- Click the **Edit** button (Fig 21 A).

The window changes in the following way. Data entry is enabled (Fig 22).

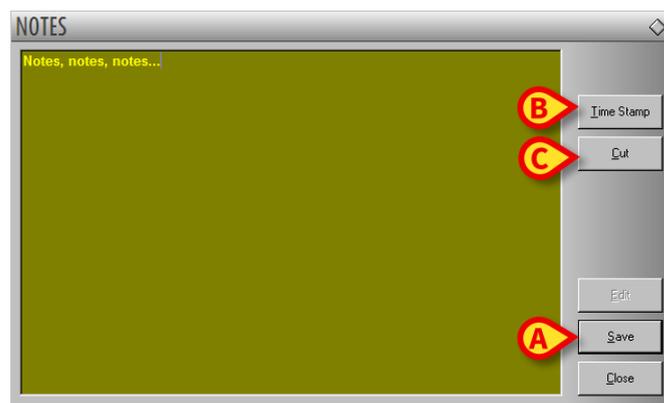


Fig 22 - "Notes" window (edit mode)

- Type the note. The text is displayed on the window.
- Click the **Save** button to save the note (Fig 22 A).

The window closes automatically. The presence of a note is indicated by the color of the button on the command bar. Click the button again to display the note again.

Use the **Time Stamp** button indicated in Fig 22 B to display the date, time and the acronym of the user who is adding the note (Fig 23).



Fig 23 - Date and time

Use the **Cut** button (Fig 22 C) to cut a selected text portion of the note.

To cut a text portion

- click the **Edit** button (Fig 21 A).
- Select the text to be cut using the mouse device or the workstation keyboard.
- Click the **Cut** button (Fig 21 C).

The selected text disappears from the “Notes” window.



The notes inserted this way are visible on every DIGISTAT® module implementing the Note button.

1.6.9. Smart navigation functions

The **Go to...** button on the command bar (Fig 24) opens a tool making it possible to quickly navigate the Clinical Forms records.



Fig 24 - Command Bar

To open the “Smart navigation window”

- click the **Go to...** button.

The window shown in Fig 25 opens.

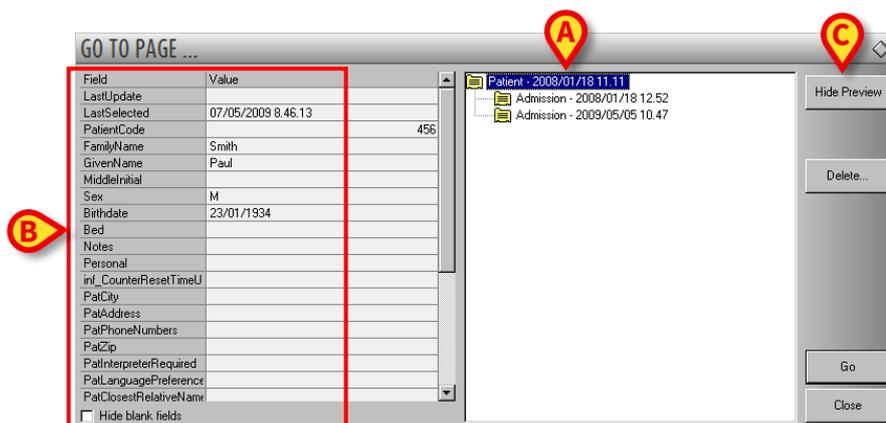


Fig 25 - Go to page...

On the right of the window (Fig 25 A) the records structure is displayed in the form of a tree-graph (see paragraph 1.7 for a description of the way the records structure).

On the left the content of the fields on the selected page is displayed (Fig 25 B).

Click one of the lines on the right to display (on the left) the information contained in the corresponding record).

The **Hide Preview** button (Fig 25 C) displays only the structure (the left part is hidden - Fig 26).

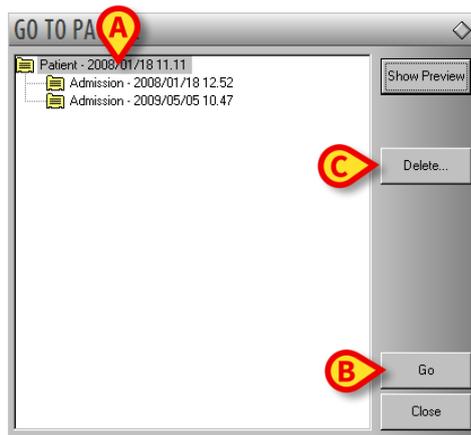


Fig 26

To access a record

- click the line corresponding to the record. The line is this way highlighted (Fig 26 A)
- Click the **Go** button (Fig 26 B).

The selected record s this way displayed.



Double click the line to access the corresponding record directly.

Use the **Delete** button (Fig 26 C) to delete a selected page. User confirmation is required (Fig 27).

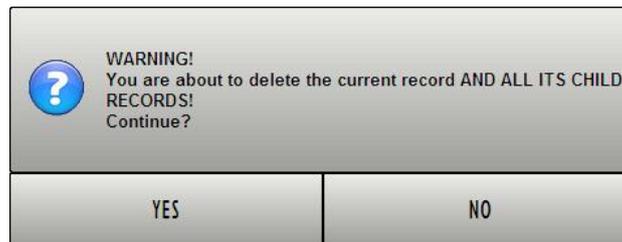


Fig 27

- Click **Yes** to delete the current record and all its “children”.

1.7. The navigation bar / Records logical structure



The figures in this paragraph are taken from a “Clinical Forms” configuration that is in use in an Italian obstetrics departments. Hence the functions and the names of the different screens (“Gravidanze”, “Intrapartum”, “Partogramma” etc...). Please remember that the “Clinical Forms” module contents change according to the user needs and that the screens described in this manual are an example that explains the module structure and the use of the navigation bar.

The navigation bar placed on the right of every Clinical Forms page (Fig 28, Fig 2 C) is a tool that makes it possible to access the different screens and functions of the module.



Fig 28

The structure of the navigation bar reflects the logical structure of the records (that is a tree graph). Every record is represented by a box. Click one of the boxes to access the corresponding record. The record currently displayed is highlighted yellow (Fig 28 A).

Patient data are recorded and displayed on a record named “Anagrafica” in the present configuration. This record is the root, the starting point on which all the other records of the same patient are based. This record is represented on the lateral bar by the first box on top (Fig 28 A). The record date of creation is displayed in the box.

The  symbol, indicated in Fig 28 B, says that all the subsequent records are at a lower level. This structure can be represented in a tree graph in the following way.

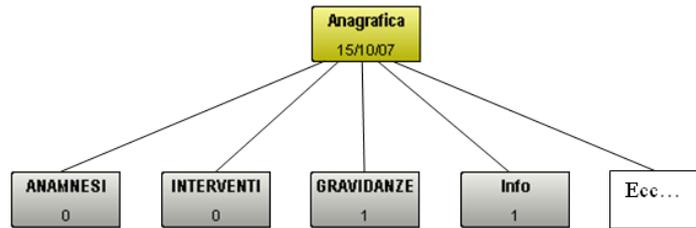


Fig 29

The number inside each box indicates the number of existing records of that specific kind. The example displayed in Fig 29 shows that there are 1 “Gravidanze” record, 1 “Info” record and 0 “Anamnesi” and “Interventi” records.

The present paragraph describes, from now on as example, one of the possible navigations through the patient records and describes therefore one of the possible ways to use the navigation bar.

Click the **Gravidanze** box to display the data referring to the pregnancies of the selected patient (Fig 28 C - remember that the present configuration is in use in an obstetrics department).

The lateral bar now looks as in Fig 30.



Fig 30

The patient’s pregnancy record is displayed on screen (corresponding to the selected box, now yellow - Fig 30 A). All the boxes corresponding to the records containing the details of the selected pregnancy appear on the bar, grouped in a lower level (Fig 30 B).

The arrows indicated in Fig 30 C mean that there are further boxes on the bar that are not displayed. Click the arrows to scroll the bar up and down and display the hidden boxes.

The chosen path can be represented in a “tree” graph (Fig 31).

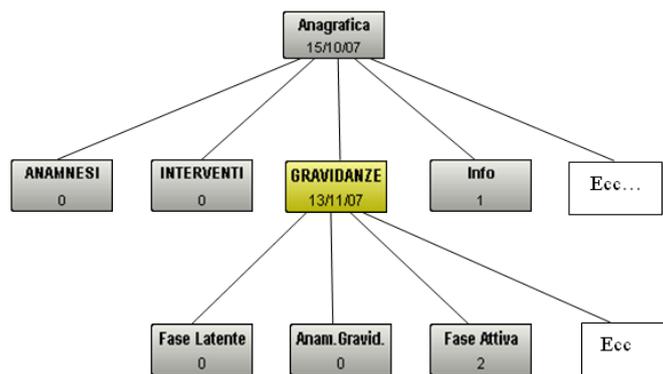


Fig 31

The user chooses to display the records relating to the “Active phase” of delivery. He/she thus clicks the **Fase Attiva** box (Fig 30 D).The navigation bar changes in the following way (Fig 32).



Fig 32

On the bar are now displayed only the boxes related to the chosen path (“Anagrafica”, then “Gravidanze”, then “Fase attiva”). The number “2” indicated in the figure means that there are two records regarding the active phase of delivery. One of the two records is displayed on screen. Click the arrow indicated in Fig 32 A to display the other record.

The “tree” representation of the chosen path is the following.

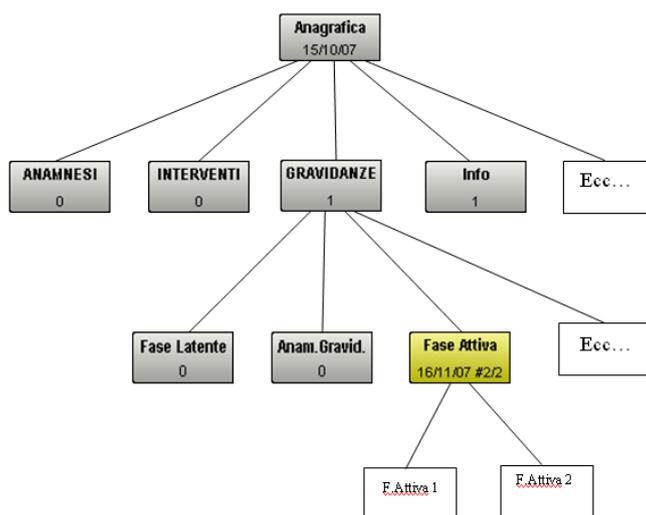


Fig 33

The navigation bar makes this way possible to move easily and quickly from a record to another.

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