

# **IMIGASTRIC SOFTWARE**

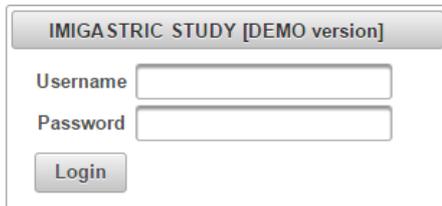
## **GUIDE**



After User registration, the IMIGASTRIC system sends you an email with your username and password.

Now you can access the login page at:

<http://demo.logix-software.it:8080/richi/pages/index.xhtml>



IMIGASTRIC STUDY [DEMO version]

Username

Password

Login

Here you can enter your personal username and password to access the protected website.

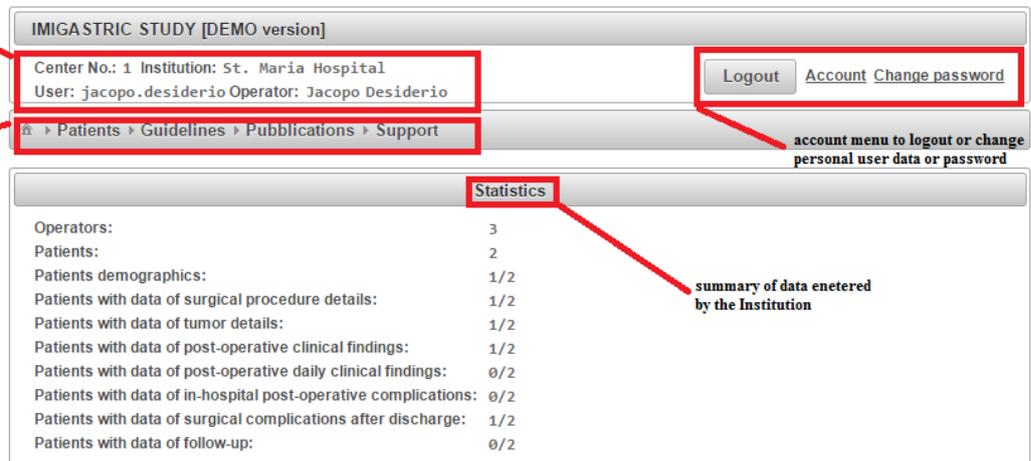
## THE MAIN MENU

The main menu allows you to access different sections:

- Patients
- Guidelines
- Publications
- Support

User and Institution information

Main menu



IMIGASTRIC STUDY [DEMO version]

Center No.: 1 Institution: St. Maria Hospital  
User: jacopo.desiderio Operator: Jacopo Desiderio

Logout Account Change password

↳ Patients ↳ Guidelines ↳ Publications ↳ Support

account menu to logout or change personal user data or password

Statistics

Operators:	3
Patients:	2
Patients demographics:	1/2
Patients with data of surgical procedure details:	1/2
Patients with data of tumor details:	1/2
Patients with data of post-operative clinical findings:	1/2
Patients with data of post-operative daily clinical findings:	0/2
Patients with data of in-hospital post-operative complications:	0/2
Patients with data of surgical complications after discharge:	1/2
Patients with data of follow-up:	0/2

summary of data entered by the Institution

By clicking on “Patients”, you can access the patient list.

IMIGASTRIC STUDY [DEMO version]

Center No.: 1 Institution: St. Maria Hospital  
 User: jacopo.desiderio Operator: Jacopo Desiderio Logout Account Change password

Home Patients Guidelines Publications Support

---

Statistics

Operators:	3
Patients:	2
Patients demographics:	1/2
Patients with data of surgical procedure details:	1/2
Patients with data of tumor details:	1/2
Patients with data of post-operative clinical findings:	1/2
Patients with data of post-operative daily clinical findings:	0/2
Patients with data of in-hospital post-operative complications:	0/2
Patients with data of surgical complications after discharge:	1/2
Patients with data of follow-up:	0/2

IMIGASTRIC STUDY [DEMO version]

Center No.: 1 Institution: St. Maria Hospital  
 User: jacopo.desiderio Operator: Jacopo Desiderio Logout Account Change password

Home Patients Guidelines Publications Support

**This button permits you to return to the main menu**

**Patients**

**Insert** **This permits you to add patient data**

Patients list Patients search

(1 of 1) 1 10

Patients	MRN	Demographics	Surgical procedure	Tumor	Post-operative clinical findings	Post-operative daily clinical findings	In-hospital post-operative complications	Surgical complications after discharge	Follow-up	
IMG01-00004		✗	✗	✗	✗	✗	✗	✗	✗	✗
IMG01-00003	12345	✓	✓	✓	✓	✓	✓	✗	✗	✗
IMG01-00002		✓	✓	✓	✓	✗	✗	✓	✗	✗

(1 of 1) 1 10

**This permits you to delete the patient**

**Patient list: the table represents a summary of entered data for each patient. Patients appear in the registry only with a code. By clicking on a patient's code, you can access the patient's chart.**

By clicking the insert button, you can access the patient's registration form.  
 It generates a patient reference code.

## INSERT PATIENT DATA

Center No.: 1 Institution: St. Maria Hospital  
User: jacopo.desiderio Operator: Jacopo Desiderio  [Account](#) [Change password](#)

Patients > Guidelines > Publications > Support

**Patients**

**Patient**

Name

Surname

Month/Day of birth (mm/dd)  /

**Year of birth\* (YYYY)**  **It is mandatory data**

Medical Record Number (MRN)

**ELIGIBILITY**

**Inclusion criteria:**

- Histological proven gastric cancer
- Preoperative staging work-up performed by upper endoscopy, endoscopic ultrasound, and CT scan
- Early Gastric Cancer
- Advanced Gastric Cancer
- Patients treated with curative intent in accordance to international guidelines

**Exclusion criteria:**

- Locally advanced tumor infiltrating neighboring organs
- Distant metastase: preitoneal carcinomatosis, liver metastases, distant lymph node metastases, Krukenberg tumors, involvement of other organs
- Patients with high operative risk as defined by the Americans Society of Anesthesiologists (ASA) score  $\geq 4$
- History of gastric surgery
- Remnant gastric cancer
- Synchronous other major abdominal surgery
- Synchronous malignancy in other organs
- Palliative surgery cases

**Accept eligibility** **After you have reviewed the eligibility criteria for the patient's inclusion, check here, then click on the save button.**

The only required data is the patient's year of birth (to calculate patient's age at surgery).

Name, Surname, Month/Day of birth are not mandatory. There is also the possibility to insert the MRN (it could aid in tracking the patient).

**IMPORTANT:** in any case, the name and date of birth are not memorized after registration. The user is the sole person that is able to associate the patient's reference code with the patient's name.

If you insert the patient's name and surname, the reference code will be made based upon that data (using also the date of birth). An email will be sent with both the patient's name and registration code. Also, if the name and surname are inserted, the patient data can always be found by using "Patient search". If, instead, the patient's name and surname are not inserted, the reference code is made up randomly, and the patient reference code will not be able to be found by using "Patient search". It can only be found if the User had written down the patient's reference code at the time of creating the chart.

## PATIENT CHART

IMIGASTRIC STUDY [DEMO version]

Center No.: 1 Institution: St. Maria Hospital  
User: jacopo.desiderio Operator: Jacopo Desiderio [Logout](#) [Account](#) [Change password](#)

🏠 Patients Guidelines Publications Support

**Patient**

Code: IMG01-00005 Year of birth: 1950  
Medical Record Number (MNR): -

**Patient demographics** | Surgery | Tumor | Post-surgery | After discharge | Follow-up

Patient demographics

No data

**Chart menu: you can enter data by clicking different sections** [Update](#)

The chart menu allows you to access different sections for data entry:

- Patient demographics
- Surgery
- Tumor
- Post-surgery
- After discharge
- Follow-up

The different sections can be filled out independently each other and the user can follow different filling orders (e.g. starting from "tumor").

- **PATIENT DEMOGRAPHICS**

The screenshot shows a patient record interface. At the top, it displays 'Patient' with details: Code: IMG01-00003, Medical Record Number (MNR): 12345, and Year of birth: 1960. Below this is a navigation bar with tabs: Patient demographics (highlighted with a red box), Surgery, Tumor, Post-surgery, After discharge, and Follow-up. The main content area is titled 'Patient demographics' and contains a text box with 'No data' and an 'Update' button circled in red.

By clicking on update, you can access the patient demographics form.

clicking here you can enter or update data on patient demographics

This screenshot shows the 'Patient demographics' form in detail. The 'Patient demographics' tab is highlighted with a red box. The form includes several input fields: Sex (circled in red), Weight (kg), Height (cm), Surgical risk (ASA score) (circled in red), Blood type, Smoker, Concomitant illness, Previous abdominal surgery (with checkboxes for Gynecologic procedure, Appendectomy, and Cholecystectomy), Staging laparoscopy, Peritoneal lavage cytology, and Neoadjuvant chemotherapy. A section titled 'Per-operative samples' contains fields for Hemoglobin levels (g/dL), White blood cell count (WBC) (billion cells/L), Granulocytes (billion cells/L), Lymphocytes (billion cells/L), and Plasma levels of total bilirubin (mg/dL). At the bottom, the 'Save' button is circled in red.

Mandatory data

After saving, you can access other sections on the chart menu

Sex and surgical risk are the only mandatory data. However more accurately is the data entering and more information will be available for the statistical analysis.

By entering the preoperative blood samples values, the system can automatically compare them with the post-operative blood samples values (however, these data are not mandatory).

The system automatically calculates patient's BMI if you add weight and height.

The system automatically calculates G/L ratio if you add Granulocytes and Lymphocytes values.

After saving information, you return to the patient chart menu where you are able to review all previously entered information.

Now you can access another section or update data or return to the patient list or logout.

IMIGASTRIC STUDY [DEMO version]

Center No: 1 Institution: St. Maria Hospital  
User: jacopo.desiderio Operator: Jacopo Desiderio

Logout Account Change password

Patients Guidelines Publications Support

clicking here you can return to the patient list

Patient

Code: IMG01-00005 Year of birth: 1950  
Medical Record Number (MNR): -

Patient demographics Surgery Tumor Post-surgery After discharge Follow-up

Patient demographics Data report

Sex: Female  
BMI: 29  
Surgical risk (ASA score): II  
Blood type: A+  
Smoker: former  
Concomitant illness: No  
Previous abdominal surgery: Appendectomy  
Neo-adjuvant chemotherapy: No  
Staging laparoscopy: No  
Peritoneal lavage cytology: No

Pre-operative samples:  
Hemoglobin levels : 12.0 g/dL  
White blood cell count (WBC): 10.0 billion cells/L  
Granulocytes to lymphocytes ratio: 3.45  
Plasma levels of total bilirubin: 0.5 mg/dL

Update

You can continue data entry by clicking other sections

Clicking here you can update this section

- SURGERY

IMIGASTRIC STUDY [DEMO version]

Center No: 1 Institution: St. Maria Hospital  
User: jacopo.desiderio Operator: Jacopo Desiderio

Logout Account Change password

Patients Guidelines Publications Support

Patient

Code: IMG01-00005 Year of birth: 1950  
Medical Record Number (MNR): -

Patient demographics Surgery Tumor Post-surgery After discharge Follow-up

Patient demographics

Sex: Female  
BMI: 29  
Surgical risk (ASA score): II  
Blood type: A+  
Smoker: former  
Concomitant illness: No  
Previous abdominal surgery: Appendectomy  
Neo-adjuvant chemotherapy: No  
Staging laparoscopy: No  
Peritoneal lavage cytology: No

Pre-operative samples:  
Hemoglobin levels : 12.0 g/dL  
White blood cell count (WBC): 10.0 billion cells/L  
Granulocytes to lymphocytes ratio: 3.45  
Plasma levels of total bilirubin: 0.5 mg/dL

Update

IMIGASTRIC STUDY [DEMO version]

Center No: 1 Institution: St. Maria Hospital  
User: jacopo.desiderio Operator: Jacopo Desiderio

Logout Account Change password

Patients Guidelines Publications Support

Patient

Code: IMG01-00005 Year of birth: 1950  
Medical Record Number (MNR): -

Patient demographics Surgery Tumor Post-surgery After discharge Follow-up

Surgical procedure details

No data

Update

Clicking here you can enter data on the surgical procedure

By clicking on update, you can access the “surgical procedure details” form.

Surgical procedure details

Operation date \*  
(yyyy/mm/dd)

Type of surgical approach \*  
 open  laparoscopy  robotic

If you check the robotic approach, a specific box appears. It permits you to specify which part of the surgery was performed with the robot. One or more surgical steps can be selected

Gastric resection \*

"Type of reconstruction" automatically changes based on the selected type of Gastric resection.

- Total gastrectomy
- Distal gastrectomy
- Pylorus-preserving gastrectomy
- Proximal gastrectomy

- open  laparoscopy  robotic
- Gastric mobilization
- Lymphadenectomy
- Reconstruction

Type of reconstruction \*

Anastomosis approach \*

Anastomosis performance \*

Reinforcement of the duodenal stump

Extend of lymphadenectomy \*

Combined resection  
 none  
 gallbladder  
 spleen

Site of minilaparotomy \*

Length of minilaparotomy (cm)

Placement of intra-abdominal drain

Placement of nasogastric tube

Total operative time (min)\*

Robot docking time (min)

Estimated blood loss (ml)

Conversion to open surgery \*

Intraoperative complications \*

Intraoperative death \*

Proximal resection margin (cm)

Distal resection margin (cm)

Surgical margin status \*

Number of retrieved lymph nodes\*

Total  Detailed

Total

Perigastric

Extragastric

Here, you can choose to enter only the total number of lymph nodes (by clicking on "total") or a detailed number (by clicking on "detailed"). The latter option is auspicious but not mandatory. After clicking on detailed, you can enter peri- and extra-gastric number of nodes (in this case the total number is automatically calculated from their sum)

**Save** Cancel

After saving information, you return to the patient chart menu, where you are able to see all previously entered information.

Now you can access another section or update data or return to the patient list or logout.

- **TUMOR**

IMIGASTRIC STUDY [DEMO version]  
Center No.: 1 Institution: St. Maria Hospital  
User: jacopo.desiderio Operator: Jacopo Desiderio [Logout] [Account] [Change password]

Patients > Guidelines > Publications > Support

Patient  
Code: IMG01-00003 Year of birth: 1960  
Medical Record Number (MNR): 12345

Patient demographics | Surgery | **Tumor** | Post-surgery | After discharge | Follow-up

**Surgical procedure details**

Operation date: 2015-01-05  
Type of surgical approach: robotic  
Gastric resection: Total gastrectomy  
Type of reconstruction: Roux-en-Y esophagojejunostomy  
Anastomosis approach: Intra-corporeal  
Anastomosis performance: robot-sewn  
Reinforcement of the duodenal stump: just stapled  
Extend of lymphadenectomy: D2  
Combined resection: gallbladder  
Site of minilaparotomy: Rckurvey  
Length of minilaparotomy: 5cm  
Placement of intra-abdominal drain: Yes  
Placement of nasogastric tube: No  
Total operative time: 360 min  
Robot docking time: 15 min  
Estimated blood loss: 250ml  
Conversion to open surgery: No  
Intraoperative complications: No  
Intraoperative death: No  
Proximal resection margin: 4cm  
Distal resection margin: 6cm  
Margin: free of disease  
Number of retrieved lymph nodes: 25

[Update]

IMIGASTRIC STUDY [DEMO version]  
Center No.: 1 Institution: St. Maria Hospital  
User: jacopo.desiderio Operator: Jacopo Desiderio [Logout] [Account] [Change password]

Patients > Guidelines > Publications > Support

Patient  
Code: IMG01-00003 Year of birth: 1960  
Medical Record Number (MNR): 12345

Patient demographics | Surgery | **Tumor** | Post-surgery | After discharge | Follow-up

**Tumor**

No data

[Update]

Patient demographics | Surgery | **Tumor** | Post-surgery | After discharge | Follow-up

**Tumor**

Tumor location \*

Long diameter of tumor (cm)

Depth of invasion (T classification) \*  **The AJCC 7th edition classification is adopted**

Number of metastatic lymph nodes

Lymph node status (N classification) \*   
N0 No regional lymph node metastasis  
N1 Metastasis in 1 to 2 regional lymph nodes  
N2 Metastasis in 3 to 6 regional lymph nodes  
N3 Metastasis in 7 or more regional lymph nodes

Histological type

Lauren classification

[Save] [Cancel]

After saving information you return to the patient chart menu, where you are able to see all previously entered information.

Now you can access another section or update data or return to the patient list or logout.

● **POST-SURGERY**

IMIGASTRIC STUDY [DEMO version]  
 Center No.: 1 Institution: St. Maria Hospital  
 User: jacopo.desiderio Operator: Jacopo Desiderio Logout Account Change password

Patients > Guidelines > Publications > Support

Patient  
 Code: IMG01-00003 Year of birth: 1960  
 Medical Record Number (MNR): 12345

Patient demographics Surgery Tumor **Post-surgery** After discharge Follow-up

**Tumor**

Tumor location: Upper third  
 Long diameter of tumor: 3cm  
 Depth of invasion (T classification): T2  
 Number of metastatic lymph nodes: 2  
 Lymph node status (N classification): N1  
 AJCC pathological stage: T1A  
 Histological type: Moderately differentiated tubular  
 Lauren classification: Intestinal type

Update

IMIGASTRIC STUDY [DEMO version]  
 Center No.: 1 Institution: St. Maria Hospital  
 User: jacopo.desiderio Operator: Jacopo Desiderio Logout Account Change password

Patients > Guidelines > Publications > Support

Patient  
 Code: IMG01-00003 Year of birth: 1960  
 Medical Record Number (MNR): 12345

Patient demographics Surgery Tumor **Post-surgery** After discharge Follow-up

**Post-operative clinical findings**

No data Update

**Post-operative daily clinical findings**

No data Update

**In-hospital post-operative complications**

Yes Update

When you click "post-surgery", a box with 3 sections appears:

- post-operative clinical findings
- post-operative daily clinical findings
- in-hospital post-operative complications

By clicking on update, you can access the sections and enter data.

○ **POST-SURGERY → POST-OPERATIVE CLINICAL FINDINGS**

IMIGASTRIC STUDY [DEMO version]  
 Center No.: 1 Institution: St. Maria Hospital  
 User: jacopo.desiderio Operator: Jacopo Desiderio Logout Account Change password

Patients > Guidelines > Publications > Support

Patient  
 Code: IMG01-00005 Year of birth: 1950  
 Medical Record Number MNR: -

Patient demographics Surgery Tumor **Post-surgery** After discharge Follow-up

**Post-operative clinical findings**

No data Update

**Post-operative daily clinical findings**

No data Update

**In-hospital post-operative complications**

No Update

Patient demographics Surgery Tumor **Post-surgery** After discharge Follow-up

**Post-operative clinical findings**

ERAS protocols adopted \*  ▼

Length of postoperative hospital stays \* (days)  **Mandatory data**

Patient mobilization (postoperative day number)

Liquid diet (postoperative day number)

Soft solid diet (postoperative day number)

Resumption of peristalsis (postoperative day number)

First flatus (postoperative day number)

Drain removal (postoperative day number)

Length of intravenous antibiotic use (days)

Length of intravenous analgesic use (days)

Save Cancel

**Post-operative daily clinical findings**

No data Update

**In-hospital post-operative complications**

No Update

10

BW73Bo#...

After saving information, a summary box appears below the section heading.

Now you can access other sections.

○ **POST-SURGERY → POST-OPERATIVE DAILY CLINICAL FINDINGS**

The screenshot shows the 'IMIGASTRIC STUDY [DEMO version]' interface. The user is logged in as 'jacopo.desiderio' from 'St. Maria Hospital'. The patient's code is 'IMG01-00005' and their year of birth is '1950'. The 'Post-surgery' tab is selected. The 'Post-operative clinical findings' section shows various metrics like 'ERAS protocols adopted: Yes', 'Length of postoperative hospital stays (days): 5', etc. Below this is the 'Post-operative daily clinical findings' section, which is currently empty. The 'insert' button is highlighted with a red circle. A red arrow points from the 'Update' button in the 'Post-operative clinical findings' section to the 'insert' button in the 'Post-operative daily clinical findings' section.

In this not mandatory section, you can enter data resulting from postoperative blood samples.

Here, you have to enter the post-operative day number (POD no.) in which data were recorded.

You can enter one or more values. Then, by clicking on "insert" you can save data and a row will appear below to summarize entered data.

More than one POD can be added following the same procedure (e.g. you can add values regarding the first, third and fifth POD).

By clicking on "Finish", you can end this section.

Post-operative daily clinical findings

Post-operative daily clinical findings

Post-operative day number (POD no.)

Drain production (ml)

Hemoglobin levels (g/dl)

White blood cell count (WBC) (billion cells/L)

Granulocytes (billion cells/L)

Lymphocytes (billion cells/L)

Plasma levels of total bilirubin (mg/dL)

**Insert**

**Then you click the "insert" button**

POD no.	Drain production (ml)	Hemoglobin levels (g/dl)	White blood cell count (WBC) (billion cells/L)	Granulocytes to lymphocytes ratio	Plasma levels of total bilirubin (mg/dL)
1	200.0	11.0	10.0	10.0	0.8

**First, you enter data**

Post-operative daily clinical findings

Post-operative daily clinical findings

Post-operative day number (POD no.)

Drain production (ml)

Hemoglobin levels (g/dl)

White blood cell count (WBC) (billion cells/L)

Granulocytes (billion cells/L)

Lymphocytes (billion cells/L)

Plasma levels of total bilirubin (mg/dL)

**Insert**

**You can enter more than one POD repeating the same procedure**

POD no.	Drain production (ml)	Hemoglobin levels (g/dl)	White blood cell count (WBC) (billion cells/L)	Granulocytes to lymphocytes ratio	Plasma levels of total bilirubin (mg/dL)
1	200.0	11.0	10.0	10.0	0.8
3	50.0	11.0	8.0	1.5	0.5

**A row for each POD will appear summarizing data**

**You can click here to delete POD**

Post-operative daily clinical findings

Post-operative daily clinical findings

Post-operative day number (POD no.)

Drain production (ml)

Hemoglobin levels (g/dl)

White blood cell count (WBC) (billion cells/L)

Granulocytes (billion cells/L)

Lymphocytes (billion cells/L)

Plasma levels of total bilirubin (mg/dL)

**Insert**

POD no.	Drain production (ml)	Hemoglobin levels (g/dl)	White blood cell count (WBC) (billion cells/L)	Granulocytes to lymphocytes ratio	Plasma levels of total bilirubin (mg/dL)
1	200.0	11.0	10.0	10.0	0.8
3	50.0	11.0	8.0	1.5	0.5
5	12.0	5.0	2.5	0.5	0.5

**Finish**

**You can click "Finish" to end this section**

○ POST-SURGERY → IN-HOSPITAL POST-OPERATIVE COMPLICATIONS

Patient demographics | Surgery | Tumor | **Post-surgery** | After discharge | Follow-up

Post-operative clinical findings

ERAS protocols adopted: Yes  
 Length of postoperative hospital stays (days): 5  
 Patient mobilization (post-operative day number): 1  
 Liquid diet (post-operative day number): 1  
 Soft solid diet (post-operative day number): 3  
 Resumption of peristalsis (post-operative day number): 1  
 First flatus (post-operative day number): 2  
 Drain removal (post-operative day number): 1  
 Length of intravenous antibiotic use: 2 days  
 Length of intravenous analgesic use: 1 days

**Update**

Post-operative daily clinical findings

POD no.	Drain production (ml)	Hemoglobin levels (g/dl)	White blood cell count (WBC) (billion cells/L)	Granulocytes to lymphocytes ratio	Plasma levels of total bilirubin (mg/dL)
1	200.0	11.0	10.0	10.0	0.8
3	50.0	11.0	8.0	1.5	0.5
5	12.0	5.0	2.5	0.5	0.5

**Update**

In-hospital post-operative complications

No

**Update**

**In-hospital post-operative complications**

In-hospital post-operative complications

Hospital post-operative complications  No  Yes  No data **Save**

**Here, an answer is required**

No

**By clicking the button you end this section**

**Finish**

In-hospital post-operative complications

Hospital post-operative complications  No  Yes  No data

No

If there were complications, you have to check "Yes" and after click "Save"

In-hospital post-operative complications

Hospital post-operative complications  No  Yes  No data

Type of complication

Reoperation for complication

Clavien - Dindo grade

Yes

You can specify the type of complication and the grade

In-hospital post-operative complications

Hospital post-operative complications  No  Yes  No data

Type of complication

Reoperation for complication

Clavien - Dindo grade

Yes

By clicking "Insert" you save this complication

In-hospital post-operative complications

Hospital post-operative complications  No  Yes  No data

Type of complication

Reoperation for complication

Clavien - Dindo grade

Type of complication	Reoperation for complication	Clavien - Dindo grade
Anastomosis leakage roux-en-y duodenal stump	Yes	IIIb

The complication appears in a row. Then you can add other complications or end this section by clicking on "Finish"

Anastomosis leakage roux-en-y duodenal stump

- AFTER DISCHARGE

This form is similar to that explained for “In-hospital post-operative complications”.

IMIGASTRIC STUDY [DEMO version]  
 Center No: 1 Institution: St. Maria Hospital  
 User: Jacopo.Desiderio Operator: Jacopo Desiderio [Logout] [Account] [Change\_password]

Patients > Guidelines > Publications > Support

Patient  
 Code: IMG01-00005 Year of birth: 1950  
 Medical Record Number (MNR): -

Patient demographics | Surgery | Tumor | Post-surgery | **After discharge** | Follow-up

**Post-operative clinical findings**  
 ERAS protocols adopted: Yes  
 Length of postoperative hospital stays (days): 5  
 Patient mobilization (post-operative day number): 1  
 Liquid diet (post-operative day number): 1  
 Soft solid diet (post-operative day number): 3  
 Resumption of peristalsis (post-operative day number): 1  
 First flatus (post-operative day number): 2  
 Drain removal (post-operative day number): 1  
 Length of intravenous antibiotic use: 2 days  
 Length of intravenous analgesic use: 1 days  
 [Update]

**Post-operative daily clinical findings**

POD no.	Drain production (ml)	Hemoglobin levels (g/dl)	White blood cell count (WBC) (billion cells/L)	Granulocytes to lymphocytes ratio	Plasma levels of total bilirubin (mg/dL)
1	200.0	11.0	10.0	10.0	0.8
3	50.0	11.0	8.0	1.5	0.5
5		12.0	5.0	2.5	0.5

[Update]

**In-hospital post-operative complications**

Type of complication	Reoperation for complication	Clavien - Dindo grade
Anastomosis leakage roux-en-y duodenal stump	Yes	III

[Update]

IMIGASTRIC STUDY [DEMO version]  
 Center No: 1 Institution: St. Maria Hospital  
 User: Jacopo.Desiderio Operator: Jacopo Desiderio [Logout] [Account] [Change\_password]

Patients > Guidelines > Publications > Support

Patient  
 Code: IMG01-00005 Year of birth: 1950  
 Medical Record Number (MNR): -

Patient demographics | Surgery | Tumor | Post-surgery | **After discharge** | Follow-up

**Surgical complications after discharge**  
 No  
 [Update]

**Surgical complications after discharge**

**Surgical complications after discharge**  
 Surgical complications after discharge  No  Yes  No data **Save** | Here an answer is required

No

**By clicking this button, you end the section** **Finish**

**Surgical complications after discharge**

Surgical complications after discharge  No  Yes  No data  **If there were complications, you have to check "Yes" and after click "Save"**

No

---

**Surgical complications after discharge**

Surgical complications after discharge  No  Yes  No data

Date of occurrence (yyyy/mm/dd)

Type of complication

Surgical intervention

**By clicking "Insert" you save this complication**

Yes

---

**Surgical complications after discharge**

Surgical complications after discharge  No  Yes  No data

Date of occurrence (yyyy/mm/dd)

Type of complication

Surgical intervention

**The complication appears in a row. Then you can add other complications or end this section by clicking on "Finish"**

Days of occurrence from surgery	Type of complication	Surgical intervention
1454	Incisional hernia	Yes

After saving information you return to the patient chart menu, where you are able to see all previously entered information.

Now you can access another section or update data or return to the patient list or logout.

- FOLLOW-UP**

Data are not mandatory in this section, but they are useful for the study analysis.

**IMIGASTRIC STUDY [DEMO version]**

Center No.: 1 Institution: St. Maria Hospital  
User: Jacopo.desiderio Operator: Jacopo Desiderio

Patients > Guidelines > Publications > Support

**Patient**

Code: IMG01-00005 Year of birth: 1950  
Medical Record Number (MNR): -

Patient demographics | Surgery | Tumor | Post-surgery | After discharge | **Follow-up**

**Surgical complications after discharge**

Days of occurrence from surgery	Type of complication	Surgical intervention
1454	Incisional hernia	Yes

---

**IMIGASTRIC STUDY [DEMO version]**

Center No.: 1 Institution: St. Maria Hospital  
User: Jacopo.desiderio Operator: Jacopo Desiderio

Patients > Guidelines > Publications > Support

**Patient**

Code: IMG01-00005 Year of birth: 1950  
Medical Record Number (MNR): -

Patient demographics | Surgery | Tumor | Post-surgery | After discharge | **Follow-up**

**Follow up**

No data

Follow up

Adjuvant chemotherapy

Date of last follow up visit (yyyy/mm/dd)

Patient alive or not at last follow-up

Disease-free or not during follow-up

Follow up

Adjuvant chemotherapy

Date of last follow up visit (yyyy/mm/dd)

Patient alive or not at last follow-up

Disease-free or not during follow-up  Action

Time to onset of recurrence (yyyy/mm/dd)

Site of recurrence

IMIGASTRIC STUDY [DEMO version]

Center No: 1 Institution: St. Maria Hospital  [Account](#) [Change password](#)

[Patients](#) [Guidelines](#) [Publications](#) [Support](#)

**By clicking here, you can return to the patient list** Patient

Code: IMG01-00005 Year of birth: 1950  
Medical Record Number (MNR): -

Follow up

Adjuvant chemotherapy: Yes  
Date of last follow up visit: 2015-03-20  
Patient alive or not at last follow-up: Yes  
Disease-free or not during follow-up: No Do: Chemotherapy  
Time to onset of recurrence: 2014-03-07  
Site of recurrence: Distant

After saving information you return to the patient chart menu, where you are able to see all previously entered information.

Now you can access another section or update data or return to the patient list or logout.

## INFORMATION ON DATA SECURITY

The IMIGASTRIC system is designed in compliance with the most stringent regulations regarding privacy. In particular, the following points are emphasized:

- Imigastric does not store any of the identification data of patients, such as: first name, last name, place of birth, date of birth, etc.;
- It is impossible to identify the patients surveyed in the system;
- It is impossible to associate clinical data with the identity of the patient;
- Each patient is uniquely identified by an automatically generated coded sequence;
- To minimize the possibility of error, it is possible to associate the MRN specifically assigned by the Institutes with the patient identifier;
- To minimize the possibility of error and simplify the search for and selection of a patient, the following discretionary instrument has been devised:
  - If the first name, last name and date of birth are entered into the corresponding fields in the form while entering a patient into the registry, the system, using the hash functions, calculates a unique code and stores it in the database; the calculation procedure is not reversible and therefore does not allow for a backwards "reconstruction" of the data entered to produce said code;
  - First name, last name and date of birth can, in this case, be re-entered into the patient search form and the patient can be identified with certainty by way of comparing the newly calculated code with the code stored in the database; the mechanism is similar to that used to manage encrypted user passwords;
  - The personal data entered into the form at the point of creation of the patient file in the database is shown on the screen at the end of an entry (so the operator can take note of the association between the patient and the identifier assigned by the system), and then sent via email to the operators at that specific center; this data is then deleted without being temporarily or permanently stored;
- The data entered at the various centers may only be used for statistics and research;
- All user passwords are encrypted and stored in the system;
- A digital certificate will be associated with the production site to ensure the confidentiality of any communication between the placement of clients at the centers and our application server.