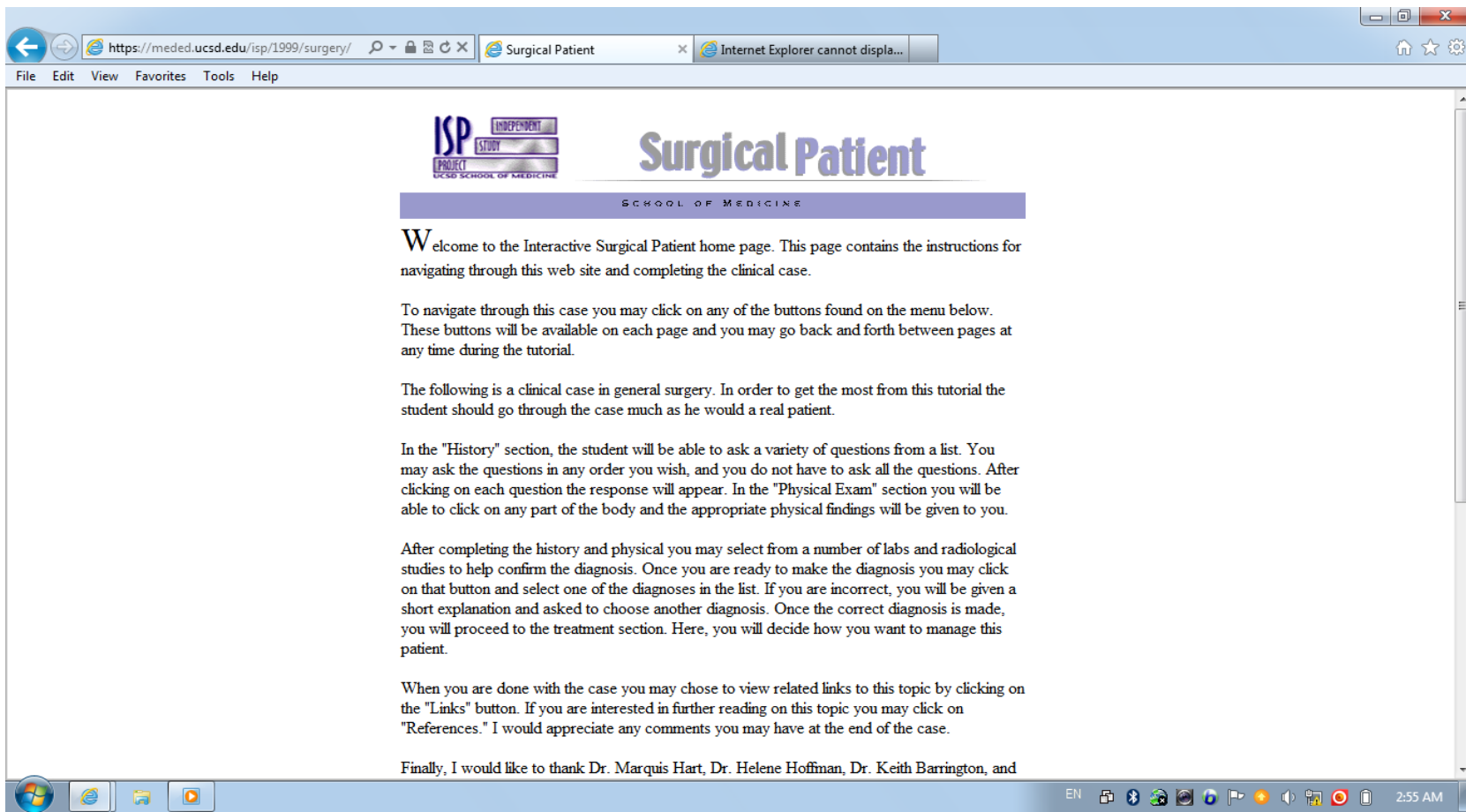




# Interactive surgical patient

<http://meded.ucsd.edu/isp/1999/surgery>

یک وب سایت مجازی آموزشی برای جراحی عمومی است که در اینجا راجع به انسداد مجرای صفاوی بیشتر به بحث پرداخته. به ترتیب مراحل سابقه بیماری تا درمان بررسی می کند. این وب سایت بیشتر برای جراحان کاربرد دارد اما دیگر کارکنان حرفه سلامت و افراد دیگر نیز می توانند اطلاعات مفیدی رو بدست بیاورند و آموزش ببینند.



The screenshot shows a web browser window with the URL <https://meded.ucsd.edu/isp/1999/surgery/>. The page features the UCSF School of Medicine logo and the title "Surgical Patient". The main content is a welcome message and instructions for navigating the interactive case.

**ISP INDEPENDENT STUDY PROJECT UCSF SCHOOL OF MEDICINE**

## Surgical Patient

SCHOOL OF MEDICINE

Welcome to the Interactive Surgical Patient home page. This page contains the instructions for navigating through this web site and completing the clinical case.

To navigate through this case you may click on any of the buttons found on the menu below. These buttons will be available on each page and you may go back and forth between pages at any time during the tutorial.

The following is a clinical case in general surgery. In order to get the most from this tutorial the student should go through the case much as he would a real patient.

In the "History" section, the student will be able to ask a variety of questions from a list. You may ask the questions in any order you wish, and you do not have to ask all the questions. After clicking on each question the response will appear. In the "Physical Exam" section you will be able to click on any part of the body and the appropriate physical findings will be given to you.

After completing the history and physical you may select from a number of labs and radiological studies to help confirm the diagnosis. Once you are ready to make the diagnosis you may click on that button and select one of the diagnoses in the list. If you are incorrect, you will be given a short explanation and asked to choose another diagnosis. Once the correct diagnosis is made, you will proceed to the treatment section. Here, you will decide how you want to manage this patient.

When you are done with the case you may chose to view related links to this topic by clicking on the "Links" button. If you are interested in further reading on this topic you may click on "References." I would appreciate any comments you may have at the end of the case.

Finally, I would like to thank Dr. Marquis Hart, Dr. Helene Hoffman, Dr. Keith Barrington, and

## History:

سابقه بیمار و شرایط زندگی بیمار رو می پرسد و شرح حال می گیرد با پرسش پاسخی که کاربر می تواند به راحتی سوالات بپرسد و جواب بگیرد

The screenshot shows a web browser window with the URL <https://meded.ucsd.edu/isp/1999/surgery/ffr>. The page title is "Surgical Patient" and it is from the UCSD School of Medicine. The navigation menu includes: [Introduction](#) | [History](#) | [Physical Exam](#) | [Labs/Tests](#) | [Radiology](#) | [Diagnosis](#) | [Treatment](#) | [References](#) | [Links](#) | [Comments](#).

The main content area is titled "IN THIS SECTION:" and contains a flowchart with three steps:

- SELECT A QUESTION
- REVIEW PATIENT'S COMPLAINT (with a patient photo)
- MOVE ON TO PHYSICAL EXAM

A large blue circle highlights the flowchart, and a blue arrow points from it to a text box on the right. The text box contains:

بخش شامل ۳ مرحله  
است: ابتدا انتخاب سوال  
دوم: مرور شرح حال  
بیمار  
سوم: معاینه فیزیکی

On the left side of the page, there is a list of questions under the heading "Describe the pain.":

- [How long have you had the pain?](#)
- [Is the pain worsening?](#)
- [When did the pain start?](#)
- [What were you doing right before the pain started?](#)
- [Where is the pain?](#)
- [Is this the first time you've had this pain?](#)
- [Does the pain radiate anywhere?](#)
- [Is there anything you do which makes the pain better or worse?](#)
- [When did you last have something to eat?](#)
- [Have you noticed any change in the](#)

A blue arrow points from the flowchart to a text box at the bottom left that says "پرسش ها".

# Physical Exam

معاینه فیزیکی که به بررسی تمام قسمت بدن و اعصاب هر قسمت می پردازد

[Introduction](#) | [History](#) | [Physical Exam](#) | [Labs/Tests](#) | [Radiology](#) | [Diagnosis](#) | [Treatment](#) | [References](#) | [Links](#) | [Comments](#)

**Vital signs:** T 100.5, BP 140/90, P 110, R 22  
Generally, Mrs. Jones is somewhat restless and unable to find a comfortable position. She appears in moderate distress likely secondary to the pain. She is alert and oriented to person, place, and time. She does not appear jaundiced. Please click on the body part above that you wish to examine.

CLICK HERE FOR NEUROLOGY

Click on desired body part for physical finding.

در قسمت مورد نظر کلیک کنید تا معاینه فیزیکی آن قسمت را بیاورد

# Labs & Tests

مرور آزمایشگاهی : شامل خون، ادرار، عملکرد کبدی، نوار قلب...

The screenshot shows a web browser window with the URL <https://meded.ucsd.edu/isp/1999/surgery/bf>. The page title is "Surgical Patient" and the logo for "UCSD SCHOOL OF MEDICINE" is visible. A navigation menu includes links for [Introduction](#), [History](#), [Physical Exam](#), [Labs/Tests](#), [Radiology](#), [Diagnosis](#), [Treatment](#), [References](#), [Links](#), and [Comments](#). The "Labs/Tests" link is highlighted with a blue arrow pointing to the main content area.

On the left side, there is a list of lab tests with a blue oval around them:

- [Complete blood count](#)
- [Electrolytes \(chem 10\)](#)
- [Liver function panel](#)
- [Cholesterol panel](#)
- [Electrocardiogram \(EKG\)](#)
- [Urine Analysis](#)
- [Blood Culture](#)
- [Urine Pregnancy test](#)

The main content area is titled "IN THIS SECTION:" and contains a flowchart with two boxes: "REVIEW LAB RESULTS" and "MOVE ON TO RADIOLOGY". Above these boxes are two small images: a table for "Complete Blood Count" and an EKG waveform.

A large blue arrow points from the "REVIEW LAB RESULTS" box to a blue oval on the right containing the Persian text: "نوع آزمایش می توان انتخاب کرد".

The Windows taskbar at the bottom shows the time as 2:57 AM and the language as EN.

# Radiology

تحليل بررسی های رادیولوژی و تفسیر انها و استفاده از انها برای تشخیص



The screenshot shows a web browser window with the URL <https://meded.ucsd.edu/isp/1999/surgery/cf>. The page title is "Surgical Patient" and it is part of the "UCSD SCHOOL OF MEDICINE". The navigation menu includes: [Introduction](#) | [History](#) | [Physical Exam](#) | [Labs/Tests](#) | **[Radiology](#)** | [Diagnosis](#) | [Treatment](#) | [References](#) | [Links](#) | [Comments](#).

On the left side, there is a list of radiographic studies to select from:

- CT Scan
- RUQ ultrasound
- Nucleotide scan
- PTCA
- ERCP
- Chest x-ray
- KUB
- Oral Cholecystogram
- MRI of abdomen

The main content area is titled "IN THIS SECTION:" and contains a flowchart:

```
graph TD; A[ANALYZE RADIOGRAPHIC STUDIES] --> B[INTERPRET RADIOGRAPHIC STUDIES]; B --> C[MOVE ON TO DIAGNOSIS];
```

The flowchart starts with three images of radiographic studies (CT scans and an ultrasound) leading to the "ANALYZE RADIOGRAPHIC STUDIES" box, which then leads to "INTERPRET RADIOGRAPHIC STUDIES" (with a pencil icon), and finally to "MOVE ON TO DIAGNOSIS".

At the bottom right, there is a blue circle containing the text:

شامل سی تی اسکن،  
سونوگرافی، ام ار ای،  
فیلم رنگی...

# Diagnosis

با توجه به نتایج حاصل شده از مراحل قبل تشخیص انتخاب می کنیم

The screenshot shows a web browser window with the URL <https://meded.ucsd.edu/isp/1999/surgery/df>. The page title is "Surgical Patient" and it is from the "UCSD SCHOOL OF MEDICINE". The navigation menu includes: [Introduction](#) | [History](#) | [Physical Exam](#) | [Labs/Tests](#) | [Radiology](#) | [Diagnosis](#) | [Treatment](#) | [References](#) | [Links](#) | [Comments](#). The "Diagnosis" section is active, showing a flowchart with three steps: "CHOOSE DIAGNOSIS", "IF CORRECT", and "MOVE ON TO TREATMENT". On the left, a list of conditions is provided for selection, including Gallstone, Pancreatitis, Acute and Chronic Cholecystitis, Choledocholithiasis, Acute and Sclerosing Cholangitis, Gall Bladder Carcinoma, Bile Duct Carcinoma, Acute Myocardial Infarction, Acute Appendicitis, and Acute Gonococcal Perihepatitis. A blue arrow points from the top text to the "Diagnosis" link in the menu. Another blue arrow points from the list of conditions to a text box on the right.

IN THIS SECTION:

```
graph TD; A[CHOOSE DIAGNOSIS] --> B[IF CORRECT]; B --> C[MOVE ON TO TREATMENT];
```

شامل انتخاب تشخیص  
اگر صحیح بود نوع  
درمان انتخاب می شود

# Treatment

بعد از تشخیص لازم نوع درمان انتخاب می شود

The screenshot shows a web browser window with the URL <https://meded.ucsd.edu/isp/1999/surgery/ef>. The page title is "Surgical Patient" and it is from the UCSD School of Medicine. The navigation menu includes: [Introduction](#) | [History](#) | [Physical Exam](#) | [Labs/Tests](#) | [Radiology](#) | [Diagnosis](#) | [Treatment](#) | [References](#) | [Links](#) | [Comments](#). The main content area is titled "IN THIS SECTION:" and contains a vertical flowchart with the following steps: "CHOOSE A TREATMENT", "CHOOSE NEXT STEP OF MANAGEMENT", "CHOOSE PROCEDURE", and "VIEW SURGERY CLIPS". Below the "VIEW SURGERY CLIPS" step is a small image of a surgical site. On the left side of the page, there is a list of treatment options under the heading "Please choose a treatment:". The options are: [-Oral dissolution therapy](#), [-Shock-wave lithotripsy](#), [-Emergency cholecystectomy](#), [-IV fluids, NG tube, & antibiotics](#), [-Observe patient](#), [-Percutaneous aspiration of the stone](#), and [-Surgery movies](#). A blue arrow points from the "Treatment" link in the navigation menu to the "CHOOSE A TREATMENT" step in the flowchart. Another blue arrow points from the "Surgery movies" link to a large blue oval containing the Persian text "نوع درمان انتخاب شود".

Please choose a treatment:

- [-Oral dissolution therapy](#)
- [-Shock-wave lithotripsy](#)
- [-Emergency cholecystectomy](#)
- [-IV fluids, NG tube, & antibiotics](#)
- [-Observe patient](#)
- [-Percutaneous aspiration of the stone](#)
- [-Surgery movies](#)

IN THIS SECTION:

CHOOSE A TREATMENT

CHOOSE NEXT STEP OF MANAGEMENT

CHOOSE PROCEDURE

VIEW SURGERY CLIPS

نوع درمان انتخاب شود



[Introduction](#) | [History](#) | [Physical Exam](#) | [Labs/Tests](#) | [Radiology](#) | [Diagnosis](#) | [Treatment](#) | [References](#) | [Links](#) | [Comments](#)



### References:

Surgical Decision Making, 3rd ed. Pages: 124-125

Sabiston Essentials of Surgery, 2nd ed. Pages: 377-395

Current Surgical Diagnosis & Treatment, 10th ed. Pages: 537-566

Clinical Thinking in Surgery, 1989. Pages: 225-242

منابع و لینک به سایر متخصصان  
میدهد