




Screenshots for Documentation of Bronchoscopy Procedures in CORI v4

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Above each screenshot or set of screenshots is the name of the table in the v4 National Endoscopic Database where the data collected on that screen is found. Some screenshots show the content of subscreens that are also documented in the same table. Controls which have subscreens are evidenced by the orange arrows: 

HISTORY

Table: HistoryBron

Pathology
Images
Print
Fax
Orders

First name: Fake
Middle name:
Last name: Patient
MRN: 00000000
Birth date: 1/1/1901
Procedure date: Jan 01, 2000 12:00 PM

History

Physical exam

Indications

Preprocedure

Sedation

Procedure

Visualization

Findings

Events

Assessment/Plan

Letters/Instructions

Save

Sign

Print Preview

Close

Medications

Within the last 7 days, has the patient taken anti-coagulant or anti-platelet medications? Yes No

Which medications	Stopped prior to exam?	# of days prior
<input type="checkbox"/> ASA	<input type="radio"/> Yes <input type="radio"/> No	<input type="text"/>
<input type="checkbox"/> Coumadin	<input type="radio"/> Yes <input type="radio"/> No	<input type="text"/>
<input type="checkbox"/> heparin	<input type="radio"/> Yes <input type="radio"/> No	<input type="text"/>
<input type="checkbox"/> LMWH	<input type="radio"/> Yes <input type="radio"/> No	<input type="text"/>
<input type="checkbox"/> clopidogrel	<input type="radio"/> Yes <input type="radio"/> No	<input type="text"/>
<input type="checkbox"/> other	<input type="radio"/> Yes <input type="radio"/> No	<input type="text"/>

Other anti-coagulant or anti-platelet medications

Anticoagulation plan

Other medications

inhaled steroids inhaled beta agonists

inhaled anticholinergic oral corticosteroids

other

Patient habits

Smoking history

Amount *

Number of years

Smokes every day Yes No

Current alcohol consumption (wine, beer, liquor)

No prior surgeries

Surgical history ▶

No history of major medical illness

Medical history ▶

Recent labs/studies Yes No

Platelets INR

Other

History comments

Please do not use this field if you can document the information using other fields on the screen

Patient habits

Smoking history

Amount *

Number of years

Smokes every day Yes No

Current alcohol consumption (wine, beer, liquor)

Patient habits

Smoking history

Amount *

Number of years

Smokes every day Yes No

Current alcohol consumption (wine, beer, liquor)

Patient habits

Smoking history

Amount *

Number of years

Smokes every day Yes No

Current alcohol consumption (wine, beer, liquor)

- No prior surgeries
- Surgical history ▶

Abstains

Occasional (average less than daily)

Moderate (1-2 drinks per day)

Heavy (>2 drinks per day)

Surgical History

Table: HxSurgHx

Patient History > Surgical History

Biliary/Pancreatic	GI, Upper	Genitourinary
<input type="checkbox"/> Biliary bypass <input type="checkbox"/> Cholecystectomy <input type="checkbox"/> Cyst removal <input type="checkbox"/> Liver surgery <input type="checkbox"/> Pancreatic resection <input type="checkbox"/> Pancreatic surgery <input type="checkbox"/> Sphincteroplasty <input type="checkbox"/> Whipple procedure	<input type="checkbox"/> Anti-reflux surgery <input type="checkbox"/> Billroth I <input type="checkbox"/> Billroth II <input type="checkbox"/> Esophageal myotomy (Heller) <input type="checkbox"/> Esophagectomy <input type="radio"/> partial <input type="radio"/> total <input type="checkbox"/> Gastrectomy <input type="radio"/> partial <input type="radio"/> total Gastric bypass <input type="checkbox"/> Banded gastroplasty <input type="checkbox"/> Roux-en-Y gastric bypass (RYGB) <input type="checkbox"/> Sleeve gastrectomy <input type="checkbox"/> Gastrojejunostomy <input type="checkbox"/> Gastrostomy tube <input type="checkbox"/> Jejunostomy tube <input type="checkbox"/> Pyloroplasty	<input type="checkbox"/> Cesarean Section <input type="checkbox"/> Total abdominal hysterectomy <input type="checkbox"/> Tubal ligation <input type="checkbox"/> Vaginal hysterectomy <input type="checkbox"/> Partial hysterectomy <input type="checkbox"/> TURP
Cardiovascular		Pulmonary
<input type="checkbox"/> Coronary artery bypass <input type="checkbox"/> Valve replacement		<input type="checkbox"/> Lobectomy
GI, Lower		Organ Transplant
<input type="checkbox"/> Colostomy <input type="checkbox"/> Left hemicolectomy <input type="checkbox"/> Right hemicolectomy <input type="checkbox"/> Segmental colectomy <input type="checkbox"/> Total colectomy with <input type="radio"/> ileostomy <input type="radio"/> ileo-anal pouch <input type="radio"/> Koch pouch <input type="checkbox"/> Hemorrhoidectomy <input type="checkbox"/> Terminal ileum resection <input type="checkbox"/> Appendectomy		<input type="checkbox"/> Heart <input type="checkbox"/> Liver <input type="checkbox"/> Lung <input type="checkbox"/> Kidney <input type="checkbox"/> Pancreas <input type="checkbox"/> Small Bowel <input type="checkbox"/> Bone marrow
		Other
		<input type="checkbox"/> Other surgical history ▶ <input type="checkbox"/> Tonsillectomy

Other: Other surgical history

SurgHxOther

Other surgical history

Medical History

Table: HxMedHx

Patient history > Medical history

Cardiovascular	Gastrointestinal	Infection
<input type="checkbox"/> Angina <input type="checkbox"/> Congestive heart failure (CHF) <input type="checkbox"/> Coronary artery disease (CAD) <input type="checkbox"/> Dysrhythmia <input type="checkbox"/> Deep vein thrombosis/PE <input type="checkbox"/> Hypertension (HTN) <input type="checkbox"/> Implanted defibrillator <input type="checkbox"/> Murmur <input type="checkbox"/> Myocardial Infarction (MI) <input type="checkbox"/> Pacemaker <input type="checkbox"/> Peripheral vascular disease (PVD) <input type="checkbox"/> Rheumatic fever <input type="checkbox"/> Valvular heart disease	<input type="checkbox"/> Adenomatous polyps <input type="checkbox"/> Barrett's esophagus <div style="border: 1px solid black; padding: 2px;"> Cancer <input type="checkbox"/> Anal Cancer <input type="checkbox"/> Colorectal Cancer <input type="checkbox"/> Esophageal Cancer <input type="checkbox"/> Gastric Cancer <input type="checkbox"/> Small bowel Cancer </div> <input type="checkbox"/> Crohn's disease <input type="checkbox"/> Diverticulitis <input type="checkbox"/> Dysphagia <input type="checkbox"/> Esophagitis <input type="checkbox"/> Eosinophilic esophagitis <input type="checkbox"/> Food impaction <input type="checkbox"/> Gastritis <input type="checkbox"/> Gastroesophageal reflux disease (GERD) <input type="checkbox"/> H. pylori <input type="checkbox"/> Inflammatory bowel disease (IBD) <input type="checkbox"/> Irritable bowel syndrome (IBS) <input type="checkbox"/> Pancreatitis <input type="radio"/> acute <input type="radio"/> chronic <input type="checkbox"/> Small bowel obstruction <input type="checkbox"/> Sphincter of Oddi dysfunction <input type="checkbox"/> Ulcerative colitis <input type="checkbox"/> Ulcers	<input type="checkbox"/> Human immunodeficiency virus (HIV) <input type="checkbox"/> Methicillin resistant Staph. aureus (MRSA) <input type="checkbox"/> Sepsis <input type="checkbox"/> Vancomycin resistant Staph. aureus (VRSA)
Endocrine	Genitourinary	Neurological/Musculoskeletal
<input type="checkbox"/> Diabetes <input type="checkbox"/> Hyperlipidemia <input type="checkbox"/> Osteoporosis <input type="checkbox"/> Steroid use <input type="checkbox"/> Thyroid abnormality <input type="checkbox"/> Weight change > 10 lbs (recent)	<input type="checkbox"/> Benign prostatic hypertrophy <input type="checkbox"/> Nephrolithiasis <input type="checkbox"/> Prostate cancer	<input type="checkbox"/> Arthritis <input type="checkbox"/> Back problems <input type="checkbox"/> Dementia <input type="checkbox"/> Depression <input type="checkbox"/> Lupus/SLE <input type="checkbox"/> Migraines <input type="checkbox"/> Neuromuscular disease <input type="checkbox"/> Stroke <input type="checkbox"/> Seizure <input type="checkbox"/> Syncope <input type="checkbox"/> Transient ischemic attack
Gynecological	Liver/Biliary	Pulmonary
<input type="checkbox"/> Ovarian cancer Age at diagnosis: <input type="text"/> <input type="button" value="↑"/> <input type="button" value="↓"/> <input type="checkbox"/> Endometrial cancer Age at diagnosis: <input type="text"/> <input type="button" value="↑"/> <input type="button" value="↓"/> <input type="checkbox"/> Breast cancer Age at diagnosis: <input type="text"/> <input type="button" value="↑"/> <input type="button" value="↓"/> <input type="checkbox"/> Pregnancy	<input type="checkbox"/> Cirrhosis <input type="checkbox"/> Portal hypertension <div style="border: 1px solid black; padding: 2px;"> Viral hepatitis <input type="checkbox"/> Hepatitis B <input type="checkbox"/> Hepatitis C </div> <input type="checkbox"/> Other hepatitis <input type="checkbox"/> Cholelithiasis <input type="checkbox"/> Cholecystitis	<input type="checkbox"/> Asthma <input type="checkbox"/> Chronic obstructive lung disease <input type="checkbox"/> Dyspnea <input type="checkbox"/> Orthopnea <input type="checkbox"/> Pneumonia <input type="checkbox"/> Sleep apnea <input type="checkbox"/> Tuberculosis <input type="checkbox"/> Upper respiratory infection (recent)
Hematological	Other	Renal
<input type="checkbox"/> Anemia <input type="checkbox"/> Thrombocytopenia <input type="checkbox"/> Hematological cancer ▶ <input type="checkbox"/> Chemotherapy <input type="checkbox"/> Hemophilia <input type="checkbox"/> Radiation therapy <input type="checkbox"/> Sickle cell disease/trait	<input type="checkbox"/> Obesity <input type="checkbox"/> Other medical history ▶	<input type="checkbox"/> Continuous abdominal peritoneal dialysis (CAPD) <input type="checkbox"/> Hemodialysis <input type="checkbox"/> Renal failure <input type="checkbox"/> Urinary tract infection (recent)

Hematological cancer

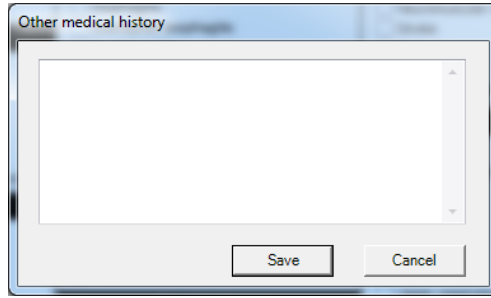
Table: HemeCaType

Hematological cancer

Please indicate type of hematological cancer

Other medical history

Table: MedHxOther



The image shows a screenshot of a software window titled "Other medical history". The window has a light blue title bar and a white main area. At the bottom of the window, there are two buttons: "Save" and "Cancel". The main area is currently empty, suggesting a text input field for recording medical history.

PHYSICAL EXAMINATION

Table: PE

Pathology
Images
Print
Fax
Orders

First name
Middle name
Last name
MRN
Birth date
Procedure date

Fake

Patient
00000000
1/1/1901
Jan 01, 2000 12:00 PM

Physical exam performed

Measurements

Height/length in

Weight lbs

BMI #

BMI class (adults)

Units

English

Metric

Physical exam(s)

Entire PE WNL

Abdominal Exam	<input type="radio"/> Normal	<input type="radio"/> Abnormal	<input type="radio"/> Not performed
Airway Exam	<input type="radio"/> Normal	<input type="radio"/> Abnormal	<input type="radio"/> Not performed
Cardio-pulmonary Exam	<input type="radio"/> Normal	<input type="radio"/> Abnormal	<input type="radio"/> Not performed
Extremity Exam	<input type="radio"/> Normal	<input type="radio"/> Abnormal	<input type="radio"/> Not performed
HEENT Exam	<input type="radio"/> Normal	<input type="radio"/> Abnormal	<input type="radio"/> Not performed
Mental status Exam	<input type="radio"/> Normal	<input type="radio"/> Abnormal	<input type="radio"/> Not performed
Neurological Exam	<input type="radio"/> Normal	<input type="radio"/> Abnormal	<input type="radio"/> Not performed
Rectal Exam	<input type="radio"/> Normal	<input type="radio"/> Abnormal	<input type="radio"/> Not performed

Systolic BP mm. Hg

Diastolic BP mm. Hg

Pulse beats / min.

Physical exam comments
Please do not use this field if you can document the information using other fields on the screen

INDICATIONS

Table: BRONpInd

Bronchoscopy

Pathology Images Print Fax Orders

First name: Fake Middle name: Last name: Patient MRN: 00000000 Birth date: 1/1/1901 Procedure date: Jan 01, 2000 12:00 PM

Indications

Evaluation of symptoms

- Dyspnea
- Wheezing
- Cough
- Hemoptysis
- Hoarseness
- Fever
- Purulent phlegm
- Stridor
- Weight loss
- Chest pain
- Platypnea
- Other symptoms

Evaluation of Chest XRay Abnormality

- Solitary pulmonary nodule (<= 3 cm on short axis)
- Mass (> 3 cm on short axis)
- Multiple peripheral nodules/masses
- Infiltrate
- Abscess
- Local hyperlucency
- Diaphragm paralysis
- Poorly resolved pneumonia
- Mediastinal lymph nodes
- Hilar lymph nodes
- Other Chest XRay abnormality
- Atelectasis
- Pleural effusion
 - right
 - left
 - bilateral

Abnormal sputum culture

- Abnormal sputum culture detail

Prior non-diagnostic procedure

- Prior non-diagnostic procedure

Evaluation of known finding/condition

- Extent of respiratory tract injury
- Infection in immunocompromised host
- Endotracheal tube problems
- Assessment for laser therapy
- Evaluation of transplant

Surveillance of known disease/condition

Disease or condition

- Lung transplant
- Lung cancer
- Other known disease/condition

Last surveillance exam

Month: Year:

- Estimated

Evaluation of suspected disease/condition

- bronchogenic carcinoma
- TB
- bronchial tear
- tracheoesophageal fissure

Therapeutic intervention

- Stent placement
- Removal of retained secretions
- Laser resection
- Foreign body removal
- Intubation
- Other therapeutic intervention

Primary Indication:

Buttons: Save, Sign, Print Preview, Close

Menu used in more than one detail screen: Anatomical site

- Anatomical site
- RUL
 - RUL, apical segment
 - RUL, posterior segment
 - RUL, anterior segment
 - RML
 - RML, lateral segment
 - RML, medial segment
 - RLL
 - RLL, superior segment
 - RLL, medial basal segment
 - RLL, lateral basal segment
 - RLL, posterior basal segment
 - LUL
 - LUL, apical posterior segment
 - LUL, anterior segment
 - LUL, lingular superior segment
 - LUL, lingular inferior segment
 - LLL
 - LLL, superior segment
 - LLL, anterior medial segment
 - LLL, lateral basal segment
 - LLL, posterior basal segment

Evaluation of symptoms: Wheezing

Table: Wheezing

Wheezing detail

Type

localized

generalized

Duration

Frequency

Save Cancel

Duration

- unknown
- <1 year
- 1-5 years
- 6-10 years
- >10 years

Frequency

- unknown frequency
- daily
- 3-6 x/wk
- <3 times/wk

Cancel

Evaluation of symptoms: Other symptoms

Table: BRONpIndSymptomsOther

Other symptoms

Description

Save Cancel

Evaluation of Chest Xray Abnormality: Solitary pulmonary nodule (<= 3 cm on short axis)

Table: SPN

SPN detail

Size

Location

Anatomical site

Description

Air bronchogram through lesion

Visible airway to lesion

Ground glass opacity

Other

Save Cancel

Size

1-10 mm

11-20 mm

21-30 mm

> 30 mm

Anatomical site

Location

inner 2/3 of lung

outer 1/3 of lung

Evaluation of Chest Xray Abnormality: Mass (>3 cm on short axis)

Table: Mass

Mass detail

Size on the short axis
[Dropdown menu]

Location
[Dropdown menu]

Anatomical site
[Dropdown menu]

Description

- Air bronchogram through lesion
- Visible airway to lesion
- Atelectasis beyond lesion
- Involves hilum
- Involves mediastinal structures
- Involves vascular structure
- Endobronchial lesion
- Other

[Text area]

Save Cancel

Size on the short axis

[Dropdown menu]

- 31-40 mm
- 41-50 mm
- > 50 mm

Location

[Dropdown menu]

- inner 2/3 of lung
- outer 1/3 of lung

[Dropdown menu]

Evaluation of Chest Xray Abnormality: Multiple peripheral nodules / masses

Table: MultiNodules

Multiple peripheral nodules/masses detail

Total number of multiple peripheral nodules/masses: [dropdown]

Smallest of the multiple peripheral nodules/masses identified

Size: [dropdown]

Anatomical site: [dropdown]

Location: [dropdown]

Largest of the multiple peripheral nodules/masses identified

Size: [dropdown]

Anatomical site: [dropdown]

Location: [dropdown]

Save Cancel

Total number of multiple peripheral nodules/masses: [dropdown]

- >5
- 2
- 3
- 4
- 5

Size: [dropdown]

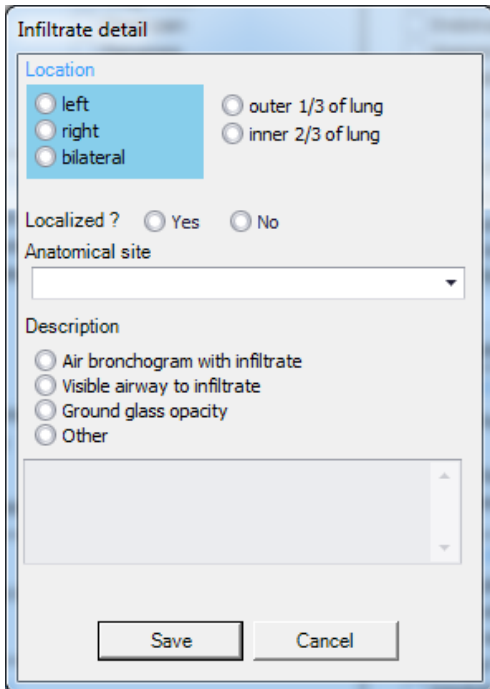
- 1-10 mm
- 11-20 mm
- 21-30 mm
- 31-40 mm
- 41-50 mm
- > 50 mm

Location: [dropdown]

- inner 2/3 of lung
- outer 1/3 of lung

Evaluation of Chest Xray Abnormality: Infiltrate

Table: Infiltrate

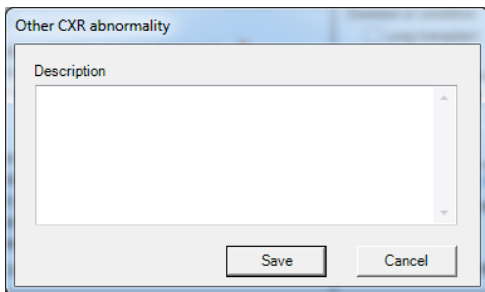


The 'Infiltrate detail' dialog box contains the following fields and options:

- Location:** Radio buttons for 'left' (selected), 'right', 'bilateral', 'outer 1/3 of lung', and 'inner 2/3 of lung'.
- Localized ?** Radio buttons for 'Yes' and 'No'.
- Anatomical site:** A dropdown menu.
- Description:** Radio buttons for 'Air bronchogram with infiltrate', 'Visible airway to infiltrate', 'Ground glass opacity', and 'Other'.
- A text input field for a description.
- Buttons:** 'Save' and 'Cancel'.

Evaluation of Chest Xray Abnormality: Other Chest Xray abnormality

Table: CXROther

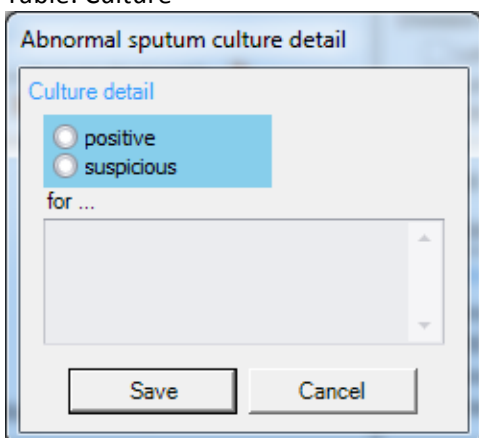


The 'Other CXR abnormality' dialog box contains the following fields and options:

- Description:** A text input field.
- Buttons:** 'Save' and 'Cancel'.

Abnormal sputum culture

Table: Culture



The 'Abnormal sputum culture detail' dialog box contains the following fields and options:

- Culture detail:** Radio buttons for 'positive' (selected) and 'suspicious'.
- for ...:** A text input field.
- Buttons:** 'Save' and 'Cancel'.

Prior non-diagnostic procedure

Table: PriorNDProc

The dialog box is titled "Details of prior non-diagnostic procedure". It features a section labeled "Previous procedure type" with the following options: Bronchoscopy, Radiologically-guided transthoracic fine needle aspiration, Mediastinoscopy, Video assistance or open surgical biopsy, and Other. Below these options is a text input field. At the bottom, there are "Save" and "Cancel" buttons.

Evaluation of known finding / condition: Extent of respiratory tract injury

Table: RTInjury (No data available)

The dialog box is titled "Detail of respiratory tract injury". It has an "Etiology" section with options: Noxious fume injury, Gastric aspiration, and Burn. Below this is a "Date of injury" section with dropdown menus for "Day", "Month", and "Year", and an "Estimated" checkbox. "Save" and "Cancel" buttons are at the bottom.

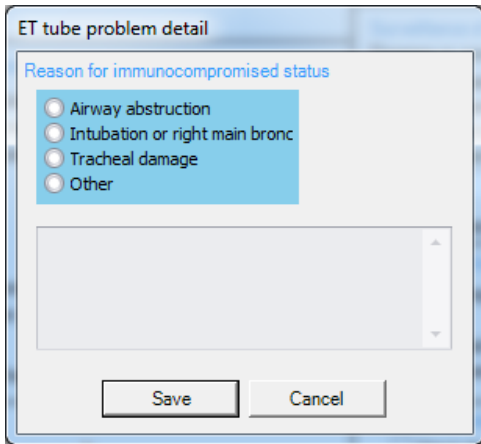
Evaluation of known finding / condition: Infection in immunocompromised host

Table: ImmunoComp

The dialog box is titled "Detail of infection in immunocompromised host". It contains a section "Reason for immunocompromised status" with radio button options: AIDS, Lung transplant, and Other. A text input field is located to the right of these options. "Save" and "Cancel" buttons are at the bottom.

Evaluation of known finding / condition: Endotracheal tube problems

Table: Endotracheal



ET tube problem detail

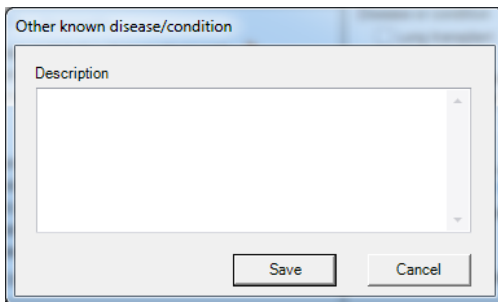
Reason for immunocompromised status

- Airway abstraction
- Intubation or right main bronc
- Tracheal damage
- Other

Save Cancel

Surveillance of known disease / condition: Other known disease/condition

Table: SurvOther



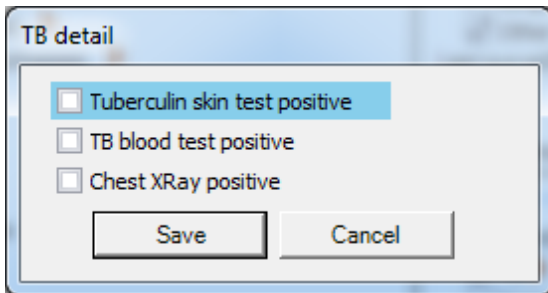
Other known disease/condition

Description

Save Cancel

Evaluation of suspected disease/condition: TB

Table: TB



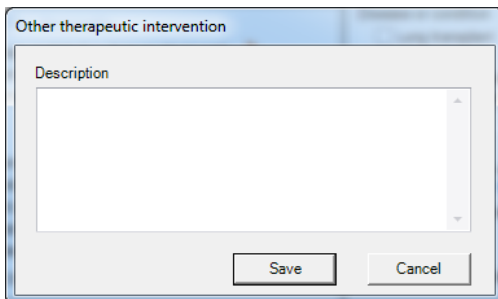
TB detail

- Tuberculin skin test positive
- TB blood test positive
- Chest XRay positive

Save Cancel

Therapeutic intervention: Other therapeutic intervention

Table: IntervenOther



Other therapeutic intervention

Description

Save Cancel

PREPROCEDURE

Table: BRONpPreProc

Procedure personnel grid: BRONpPreProc_Procedure_personnel_grid

Antibiotics grid: BRONpPreProc_Antibiotics_grid (no data)

Patient Admission Status

Outpatient
 Inpatient
 ED

Bronchoscopy performed in

Did the patient consent to be contacted for research purposes?

Patient performance status (ECOG/WHO/Zubrod)

- Bronchoscopy suite
- Hospital ward
- ICU
- NICU
- OR
- PICU
- Radiology suite
- Short stay unit

Did the patient consent to be contacted for research purposes?

Patient performance status (ECOG/WHO/Zubrod)

- Consented
- Did not consent
- Not asked for consent

Did the patient consent to be contacted for research purposes?

Patient performance status (ECOG/WHO/Zubrod)

- 0 - normal activity, asymptomatic
- 1 - symptoms but fully ambulatory
- 2 - symptoms but in bed < 50% of the time
- 3 - symptoms but in bed > 50% but < 100% of the time
- 4 - bedridden
- 5 - moribund

Procedure personnel

Add staff

Role	Name
Bronchoscopist - Atter	
Bronchoscopist - Attending physician	
Bronchoscopist - Fellow	
Endoscopist - Attending physician	
Endoscopist - Fellow	
Nurse	
Nurse anesthetist	
Nurse assistant	
Nurse practitioner	

Procedure performed by: Menu customized by site

Responsible endoscopist: Menu customized by site

Procedure personnel Add staff

Role	Name
Bronchoscopist - F...	
Nurse	

Procedure performed by

Responsible Bronchoscopist

Level of supervision

Attending present for the entire procedure

Attending present for part of the procedure

Attending available to assist

Antibiotics Add med

Medication	Dose	Route
amoxicillin		

amoxicillin

ampicillin

cefazolin

Other cephalixin

ciprofloxacin

clindamycin

gentamicin

levofloxacin

metronidazole

moxifloxacin

Indication for preprocedure antibiotics

Card ofloxacin

Cirrh streptomycin

Cirrh trimethoprim/sulfamethoxazole

Drain vancocomycin

History of endocarditis

PEG placement

Prosthetic cardiac valve

Antibiotics Add med

Medication	Dose	Route
amoxicillin		

250 mg

500 mg

750 mg

1000 mg

1500 mg

2000 mg

Other preprocedure antibiotic

(Dose menu customized to Mediation selection)

Antibiotics Add med

Medication	Dose	Route
amoxicillin		

Aerosol

IM

IV

PO

PR

SC

SL

Topical

Other preprocedure antibiotic

Indication for preprocedure antibiotics

SEDATION

Table: BRONpSedation

Sedation medications grid: BRONpSedation_Sedation_medications_grid

Bronchoscopy

Pathology Images Print Fax Orders

First name Middle name Last name MRN Birth date Procedure date

Fake Patient 00000000 1/1/1901 Jan 01, 2000 12:00 PM

Use Defaults

Pre-sedation assessment

ASA classification

Urgency Emergency Urgent Elective

Assessed by

Monitoring

Blood pressure
 ECG
 Pulse oximetry
 Capnography
 Other monitoring

Supplemental oxygen at baseline
Oxygen flow (liters)
Delivery method

Intubation / Ventilation

Patient intubated
 Ventilation used
Method of ventilation

Sedation / Anesthesia

Local anesthetic used
 Residual sedation from prior procedure present

Level of sedation
Managed by
Supervised by

Sedation medications

Medication	Dose	Route

Reassessment performed

Sedation / Anesthesia comments
Please do not use this field if you can document the information using other fields on the screen

Save Sign Print Preview Close

Pre-sedation assessment

ASA classification

Urgency Emergency Urgent Elective

Assessed by

Pre-sedation assessment

ASA classification

Urgency Emergency
 Urgent
 Elective

Assessed by

Monitoring

Blood pressure
 ECG
 Pulse oximetry
 Capnography
 Other monitoring

Supplemental oxygen
 Oxygen flow (liters)
 Delivery method

Intubation / Ventilation

Patient intubated
 Ventilation used
 Method of ventilation

Anesthesiologist
 Assistant
 Bronchoscopist (Attending physician)
 Bronchoscopist (Fellow)
 Bronchoscopist (Nurse Practitioner)
 Bronchoscopist (Physician assistant)
 ENT staff
 ICU staff
 Nurse
 Nurse anesthetist
 Nurse assistant
 Nurse practitioner
 Oncology staff
 Pathology staff
 Physician assistant
 Primary care physician
 Radiology staff
 Research staff
 Resident
 Student
 Surgeon
 Technician

Supplemental oxygen at baseline
 Oxygen flow (liters)
 Delivery method

Intubation / Ventilation

Patient intubated
 Ventilation used
 Method of ventilation

Blow by
 Endotracheal tube
 Face mask
 Nasal prongs
 Ventilation through rigid bronchoscope

Intubation / Ventilation

Patient intubated
 Ventilation used
 Method of ventilation

Volume cycled, pressure control or pressure support
 High frequency jet ventilation
 Low frequency jet ventilation

Sedation / Anesthesia

Local anesthetic used
 Residual sedation from prior procedure present

Level of sedation

Managed by

Supervised by

No sedation
 Anxiolytic sedation
 Moderate (conscious sedation)
 Deep sedation
 General anesthesia

Sedation / Anesthesia

Local anesthetic used

Residual sedation from prior procedure present

Level of sedation

Managed by

Supervised by

Sedation medication

Medication
Atropine
Benzocaine spray
Cetacaine
Diazepam
Diphenhydramine
Droperidol
Fentanyl
Flumazenil
Glucagon
Glycopyrrolate
Ketamine
Lidocaine
Meprendine
Methohexital sodium 0.2%
Methohexital sodium 1%
Methohexital sodium 5%
Midazolam
Morphine
Nalbuphine
Naloxone
Ondansetron
Promethazine
Propofol
Tetracaine
Thiopental sodium

Reassessment

Sedation / Anesthesia
Please do not use the
using other fields of

Sedation / Anesthesia

Local anesthetic used

Residual sedation from prior procedure present

Level of sedation

Managed by

Supervised by

Sedation medication

Medication
Nurse anesthetist
Endoscopist (Attending physician)
Endoscopist (Nurse Practitioner)
Endoscopist (Physician assistant)

Sedation medications Add med

Medication	Dose	Route
atropine	<input type="text"/>	<input type="text"/>
atropine		
benzocaine spray		
Cetacaine		
diazepam		
diphenhydramine		
droperidol		
fentanyl		
flumazenil		
glucagon		
glycopyrrolate		
ketamine		
lidocaine		
meprendine		
methohexital sodium 0.2%		
methohexital sodium 1%		
methohexital sodium 5%		
midazolam		
morphine		
nalbuphine		
naloxone		
ondansetron		
promethazine		
propofol		
Tetracaine		
thiopental sodium		

Residual sedation from prior procedure present

Sedation / Anesthesia
Please do not use the
using other fields of

Sedation medications		Add med	
Medication	Dose	Route	
atropine	0.5 mg 1 mg 1.5 mg 2 mg		

(Dose menu is pecific to the Medication selection)

Sedation medications		Add med	
Medication	Dose	Route	
atropine		Aerosol IM IV PO PR SC SL Topical	

Residual sedation from prior procedure present
 Other sedation medication

PROCEDURE

Table: BRONpProc

Instruments grid: BRONpProc_Instruments_grid

The screenshot shows the 'Bronchoscopy' software window. On the left is a navigation menu with buttons for History, Physical exam, Indications, Preprocedure, Sedation, Procedure (highlighted), Visualization, Findings, Events, Assessment/Plan, and Letters/Instructions. Below the menu are buttons for Save, Sign, Print Preview, and Close. The main area is divided into several sections:

- Pathology Images Print Fax Orders:** Fields for First name (Fake), Middle name, Last name (Patient), MRN (00000000), Birth date (1/1/1901), and Procedure date (Jan 01, 2000 12:00 PM).
- Procedure performed:** A list of checkboxes for Bronchoscopy, Bronchoscopy-directed endotracheal intubation, Percutaneous dilational tracheotomy, and Other procedure.
- Procedure details:** Radio buttons for 'Were images taken?', 'Was fluoroscopy used?', 'Was autofluorescence used?', and 'Was narrow band imaging used?'. Includes a 'Fluoroscopy time (sec)' field and 'Patient tolerance' dropdown.
- Was the procedure completed?:** Radio buttons for Yes and No.
- Reason(s) procedure was incomplete:** Checkboxes for Inability to intubate, Patient unstable, Obstruction, Stricture, Patient discomfort, and Other reason.
- Route of passage:** Radio buttons for right nasal, left nasal, oral, laryngeal mask airway (LMA), tracheostomy, and endotracheal / nasotracheal tube. Includes checkboxes for 'previously placed'.
- Instruments:** A table with columns for Instrument, Serial Number, and Flexibility. Includes an 'Add instrument' button.
- Procedure times:** Spinners for 'Total procedure time' and 'Scope insertion to scope removal time' in minutes and seconds.
- Patient recovery location:** Dropdowns for 'After procedure patient sent' and 'After recovery patient sent'.
- Procedure comments:** A text area with a note: 'Please do not use this field if you can document the information using other fields on the screen'.

At the bottom right is a 'Save as Default' button.

Instruments grid: Instrument, Serial Number and Flexibility customized by site.

This close-up shows two dropdown menus. The first is 'Patient tolerance' with a list of options: excellent, good, fair, and poor. The second is 'Estimated blood loss (ml)' with a list of options: excellent, good, fair, and poor. Below these is a 'Total procedure time' field with spinners for minutes and seconds.

This close-up shows the 'Patient recovery location' dropdown menu. It has two labels: 'After procedure patient sent' and 'After recovery patient sent'. The dropdown list includes options: home, to ICU, to NICU, to PICU, to hospital, remain in endoscopy suite, to recovery, and remain in bronchoscopy suite.

(After procedure patient sent menu: customizable by site)

Patient recovery location

After procedure patient sent

After recovery patient sent

Procedure comments

Please do not use this field if you can use the other fields on the screen.

in to hospital
back to hospital
home

(After recovery patient sent menu: Customizable by size)

Procedure performed: Bronchoscopy:

Table: BRONpBronchoscopyCPT

Bronchoscopy with...

- Bronchial alveolar lavage (BAL)
- Biopsy(s)
- Brushing(s)
- Transbronchial lung biopsy
- Transbronchial lung biopsy, additional lobe
- Transbronchial needle aspiration biopsy
- Transbronchial needle aspiration biopsy, additional lobe
- Foreign body removal
- Tracheal stent placement
- Bronchial stent placement
- Bronchial stent placement, additional bronchus
- Revision of stent previously placed
- Excision of tumor
- Laser therapy
- Cryotherapy

Save Cancel

Procedure performed: Other procedure performed

Table: BRONpProcOther

Other procedure performed

Description

Save Cancel

Reason(s) procedure was incomplete: Other reason

Table: BRONpProcIncompleteOther

A screenshot of a software dialog box titled "Other reason for incomplete procedure". The dialog box has a light blue header bar with the title. Below the header is a large, empty text input area with a vertical scrollbar on the right side. At the bottom of the dialog box, there are two buttons: "Save" on the left and "Cancel" on the right.

Clock times

Table: ClockTimes

A screenshot of a software dialog box titled "Scope insertion and removal time". The dialog box has a light blue header bar with the title. Below the header, there are four rows of time input fields. Each row consists of a text label followed by a time selection control (a box with "--:--:-- AM" and a vertical arrow). The labels are: "Time of induction", "Time of scope insertion", "Time of scope removal", and "Time patient was moved from the procedure room after the bronchoscopy". At the bottom of the dialog box, there are two buttons: "Save" on the left and "Cancel" on the right.

VISUALIZATION

Table: BRONpVisualization

Bronchoscopy
Microsoft Word 2003

Pathology	Images	Print	Fax	Orders	
First name	Middle name	Last name	MRN	Birth date	Procedure date
Fake		Patient	00000000	1/1/1901	Jan 01, 2000 12:00 PM

Visualization above the carina

Vocal cords seen not seen normal

Trachea seen not seen normal

Main carina seen not seen normal

Visualization below the carina

<p>Right upper lobe <input type="checkbox"/> normal</p> <p><input type="radio"/> not visualized</p> <p><input type="radio"/> visualized</p> <p><input type="radio"/> visualized to segment</p> <p><input type="radio"/> visualized to sub-segment</p> <p><input type="radio"/> visualized to sub-sub-segment</p>	<p>Left upper lobe <input type="checkbox"/> normal</p> <p><input type="radio"/> not visualized</p> <p><input type="radio"/> visualized</p> <p><input type="radio"/> visualized to segment</p> <p><input type="radio"/> visualized to sub-segment</p> <p><input type="radio"/> visualized to sub-sub-segment</p>
<p>Right middle lobe <input type="checkbox"/> normal</p> <p><input type="radio"/> not visualized</p> <p><input type="radio"/> visualized</p> <p><input type="radio"/> visualized to segment</p> <p><input type="radio"/> visualized to sub-segment</p> <p><input type="radio"/> visualized to sub-sub-segment</p>	<p>Left lower lobe <input type="checkbox"/> normal</p> <p><input type="radio"/> not visualized</p> <p><input type="radio"/> visualized</p> <p><input type="radio"/> visualized to segment</p> <p><input type="radio"/> visualized to sub-segment</p> <p><input type="radio"/> visualized to sub-sub-segment</p>
<p>Right lower lobe <input type="checkbox"/> normal</p> <p><input type="radio"/> not visualized</p> <p><input type="radio"/> visualized</p> <p><input type="radio"/> visualized to segment</p> <p><input type="radio"/> visualized to sub-segment</p> <p><input type="radio"/> visualized to sub-sub-segment</p>	

Save	Sign	Print Preview	Close
------	------	---------------	-------

FINDINGS

Table: BRONpFind

The screenshot shows the 'Bronchoscopy' software window. At the top, there are menu options: Pathology, Images, Print, Fax, and Orders. Below these are input fields for patient information: First name (Fake), Middle name, Last name (Patient), MRN (00000000), Birth date (1/1/1901), and Procedure date (Jan 01, 2000 12:00 PM). A purple header bar reads 'Bronchoscopy Findings'. On the left is a vertical navigation menu with buttons for History, Physical exam, Indications, Preprocedure, Sedation, Procedure, Visualization, Findings (highlighted), Events, Assessment/Plan, and Letters/Instructions. Below the menu are buttons for Save, Sign, Print Preview, and Close. The main area contains an 'Import Images' button and a diagram of a bronchial tree. Below the diagram is a text box with the text 'Normal findings' and a checked checkbox labeled 'Entire bronchial tree normal.'. At the bottom right, a 'Findings Instructions' box lists: 'Add a Finding: left click the diagram, or left click and drag to shade a region', 'Delete a Finding: right click on the finding label', 'View/Edit Details: double click on the finding label', and 'Move a Label: left click and drag the finding label'.

The 'Finding Menu' dialog box is shown. It has a title bar 'Finding Menu' and a list of finding categories. The categories are: Finding, Abnormal anatomy, Blood, Bronchomalacia, Diagnostic test, Endobronchial mass, Endobronchial stenosis, Extrinsic compression, Foreign body, Image taken, Mucosal abnormality, Mucous plug, Normal finding, Other finding, Prior surgery, Purulent secretions, Tear/perforation, Therapeutic procedure, Tracheoesophageal fistula, and Tracheomalacia. At the bottom are 'OK' and 'Cancel' buttons.

Anatomical locations used in all Location menus:



Abnormal anatomy

Table: BRONpAbnormalAnatomy

The 'Abnormal anatomy' dialog box contains the following fields and controls:

- Description:** A large text area for entering the description of the abnormal anatomy.
- Diagnosis:** A text field for entering the diagnosis.
- Buttons:** 'Save' and 'Cancel' buttons at the bottom.

Blood

Table: BRONpBlood

Blood	
Location <input type="text" value="Trachea"/>	Diagnosis <input type="text"/>
Description <input type="checkbox"/> active bleeding (nonclotted) <input type="checkbox"/> fresh clot <input type="checkbox"/> old clot	<input type="checkbox"/> Image(s) taken
Therapeutic procedure(s) <input type="checkbox"/> APC <input type="checkbox"/> Manual debridement <input type="checkbox"/> Balloon dilation <input type="checkbox"/> Stent <input type="checkbox"/> Cryotherapy <input type="checkbox"/> Stent removal <input type="checkbox"/> Electrocautery <input type="checkbox"/> Other therapy <input type="checkbox"/> Laser	Comments <input type="text"/>
Diagnostics <input type="checkbox"/> Endobronchial forceps biopsy taken Total # of biopsies taken <input type="text"/> <input type="checkbox"/> Endobronchial brushing taken <input type="checkbox"/> Endobronchial needle aspiration Number of passes <input type="text"/> Needle gauge used <input type="text"/> <input type="checkbox"/> Mucosa sprayed for hemostasis with <input type="text"/> <input type="checkbox"/> Wash volume of saline used <input type="radio"/> <= 20 ml <input type="radio"/> > 20 ml Sent to pathology <input type="radio"/> Yes <input type="radio"/> No Enter pathology ID <input type="text"/> <input type="button" value="Add"/> Current pathology IDs <input type="text"/>	<input type="button" value="Save"/> <input type="button" value="Cancel"/>

Bronchomalacia

Table: BRONpBronchomalacia

Bronchomalacia	
Location: <input type="text" value="Trachea"/>	Diagnosis: <input type="text"/>
Description Severity of obstruction: <input type="text"/> Lumen diameter (mm): <input type="text"/>	
Therapeutic procedure(s) <input type="checkbox"/> APC <input type="checkbox"/> Manual debridement <input type="checkbox"/> Balloon dilation <input type="checkbox"/> Stent <input type="checkbox"/> Cryotherapy <input type="checkbox"/> Stent removal <input type="checkbox"/> Electrocautery <input type="checkbox"/> Other therapy <input type="checkbox"/> Laser	
Diagnostics <input type="checkbox"/> Endobronchial forceps biopsy taken Total # of biopsies taken: <input type="text"/> <input type="checkbox"/> Endobronchial brushing taken <input type="checkbox"/> Endobronchial needle aspiration Number of passes: <input type="text"/> Needle gauge used: <input type="text"/> <input type="checkbox"/> Mucosa sprayed for hemostasis with: <input type="text"/> <input type="checkbox"/> Wash volume of saline used: <input type="radio"/> <= 20 ml <input type="radio"/> > 20 ml Sent to pathology: <input type="radio"/> Yes <input type="radio"/> No Enter pathology ID: <input type="text"/> <input type="button" value="Add"/> Current pathology IDs: <input type="text"/>	
<input type="checkbox"/> Image(s) taken Comments: <input type="text"/>	
<input type="button" value="Save"/> <input type="button" value="Cancel"/>	

Description	
Severity of obstruction	<input type="text"/>
Lumen diameter (mm)	<input type="text" value="partial"/> <input type="text" value="almost complete"/> <input type="text" value="complete"/>
Therapeutic procedure(s)	

Diagnostic test

Table: BRONpDiagnosticTest

Diagnostic test

Bronchoalveolar lavage
volume instilled (ml) [spinners]
volume returned (ml) [spinners]

Transbronchial biopsy ▶
 Transbronchial brushing ▶
 Transbronchial needle aspiration ▶

Save Cancel

Diagnostic test: Transbronchial biopsy

Table: BRONpTbBiopsy

Transbronchial biopsy

Anatomical location of biopsy [dropdown]

Localization of lesion by

single plane fluoroscopy
 biplane fluoroscopy
 CT fluoroscopy
 electromagnetic navigation
 peripheral EBUS
 unguided
 other

Total # biopsies taken [text field]

Save Cancel

Diagnostic test: Transbronchial brushing

Table: BRONpTbBrushing

Transbronchial brushing

Anatomical location of brushing [dropdown]

Specimen type sent to pathology

direct smear
 cytologically preserved (whole brush)

Save Cancel

Diagnostic test: Transbronchial needle aspiration
 Table: BRONpTbNeedle (No data available)

Transbronchial needle aspiration detail

Anatomical location of biopsy:

Localization of lesion by

- single plane fluoroscopy
- biplane fluoroscopy
- CT fluoroscopy
- electromagnetic navigation
- EBUS

convex (linear) radial

unguided

other

Number of passes:

Needle gauge used:

On-site cytology performed: Yes No

Specimen type sent to patholog

- direct smear
- cytologically preserved

Characteristics of lymph node, SPN or mass sampled

size on short axis (mm):

size based on CT scan:

metabolic activity of lymph node based on PET scan:

size based on CT scan:

metabolic activity of lymph node based on PET scan:

- 1-10 mm
- 11-20 mm
- 21-30 mm
- >30 mm

Characteristics of lymph node, SPN or mass sampled

size on short axis (mm):

size based on CT scan:

metabolic activity of lymph node based on PET scan:

- metabolically active (SUV >= 2.5)
- metabolically not active
- not performed

Endobronchial mass

Table: BRONpEbMass

Endobronchial mass

Location:

Description

Type

benign established
 malignant suspected

Appearance

circumferential
 fungating
 mucosal
 submucosal

Length (cm)

Obstruction

Therapeutic procedure(s)

APC ▶ Manual debridement ▶
 Balloon dilation ▶ Stent ▶
 Cryotherapy ▶ Stent removal ▶
 Electrocautery ▶ Other therapy ▶
 Laser ▶

Diagnosis

Image(s) taken

Diagnostics

Endobronchial forceps biopsy taken
Total # of biopsies taken

Endobronchial brushing taken
 Endobronchial needle aspiration
Number of passes
Needle gauge used

Mucosa sprayed for hemostasis
with

Wash volume of saline used ≤ 20 ml
 > 20 ml

Sent to pathology Yes No
Enter pathology ID

Current pathology IDs

Comments

Description

Type

benign established
 malignant suspected

Appearance

circumferential
 fungating
 mucosal
 submucosal

Length (cm)

Obstruction

Therapeutic procedure(s)

APC ▶ Manual debridement ▶
 Balloon dilation ▶ Stent ▶
 Cryotherapy ▶ Stent removal ▶
 Electrocautery ▶ Other therapy ▶
 Laser ▶

0 - 25%
26 - 50%
51 - 75%
76 - 100%

Endobronchial stenosis

Table: BRONpEbStenosis

Endobronchial stenosis

Location

Description

Severity of obstruction

Lumen diameter (mm)

Etiology suspected malignancy
 extrinsic compression
 prior endotracheal tube
 other benign etiology

Therapeutic procedure(s)

APC Manual debridement
 Balloon dilation Stent
 Cryotherapy Stent removal
 Electrocautery Other therapy
 Laser

Diagnosis

Image(s) taken

Diagnostics

Endobronchial forceps biopsy taken
Total # of biopsies taken

Endobronchial brushing taken
 Endobronchial needle aspiration
Number of passes
Needle gauge used

Mucosa sprayed for hemostasis
with

Wash volume of saline used <= 20 ml
 > 20 ml

Sent to pathology Yes No
Enter pathology ID

Current pathology IDs

Comments

Description

Severity of obstruction

Lumen diameter (mm)

Etiology suspected malignancy
 extrinsic compression
 prior endotracheal tube
 other benign etiology

Extrinsic compression

Table: BRONpExtCompression

Extrinsic compression	
Location: <input type="text" value="Trachea"/>	<input type="checkbox"/> Image(s) taken
Description: <input type="text"/>	
Therapeutic procedure(s)	Diagnosis: <input type="text"/>
<input type="checkbox"/> APC <input type="checkbox"/> Manual debridement	Comments: <input type="text"/>
<input type="checkbox"/> Balloon dilation <input type="checkbox"/> Stent	
<input type="checkbox"/> Cryotherapy <input type="checkbox"/> Stent removal	
<input type="checkbox"/> Electrocautery <input type="checkbox"/> Other therapy	
<input type="checkbox"/> Laser	
Diagnostics	
<input type="checkbox"/> Endobronchial forceps biopsy taken Total # of biopsies taken: <input type="text"/>	
<input type="checkbox"/> Endobronchial brushing taken	
<input type="checkbox"/> Endobronchial needle aspiration Number of passes: <input type="text"/> Needle gauge used: <input type="text"/>	
<input type="checkbox"/> Mucosa sprayed for hemostasis: with <input type="text"/>	
<input type="checkbox"/> Wash volume of saline used: <input type="radio"/> <= 20 ml <input type="radio"/> > 20 ml	
Sent to pathology: <input type="radio"/> Yes <input type="radio"/> No	
Enter pathology ID: <input type="text"/> <input type="button" value="Add"/>	
Current pathology IDs: <input type="text"/>	
	<input type="button" value="Save"/> <input type="button" value="Cancel"/>

Foreign body

Table: BRONpForeignBody

Foreign body	
Location: <input type="text" value="Trachea"/>	<input type="checkbox"/> Image(s) taken
Description: <input type="text"/>	
Treatment results: <input type="radio"/> Removed <input type="radio"/> Not removed	using ... <input type="checkbox"/> basket <input type="checkbox"/> forceps <input type="checkbox"/> suction
Diagnostics <input type="checkbox"/> Culture taken Sent to pathology: <input type="radio"/> Yes <input type="radio"/> No Enter pathology ID: <input type="text"/> <input type="button" value="Add"/> Current pathology IDs: <input type="text"/>	Diagnosis: <input type="text"/>
	Comments: <input type="text"/>
<input type="button" value="Save"/> <input type="button" value="Cancel"/>	

Image taken

Table: BRONpImgTaken

Image taken
Location: <input type="text" value="Trachea"/>
<input type="checkbox"/> Image(s) taken
Comments: <input type="text"/>
<input type="button" value="Save"/> <input type="button" value="Cancel"/>

Mucosal abnormality

Table: BRONpMucosalAbnormality

Mucosal abnormality	
Location: <input type="text" value="Trachea"/>	Diagnosis: <input type="text"/>
Description <input type="checkbox"/> erythema <input type="checkbox"/> submucosal edema <input type="checkbox"/> erosion <input type="checkbox"/> cobblestone mucosa <input type="checkbox"/> other ▶	<input type="checkbox"/> Image(s) taken
<input type="checkbox"/> Autofluorescence used to visualize mucosa	Comments <input type="text"/>
Therapeutic procedure(s) <input type="checkbox"/> APC ▶ <input type="checkbox"/> Manual debridement ▶ <input type="checkbox"/> Balloon dilation ▶ <input type="checkbox"/> Stent ▶ <input type="checkbox"/> Cryotherapy ▶ <input type="checkbox"/> Stent removal ▶ <input type="checkbox"/> Electrocautery ▶ <input type="checkbox"/> Other therapy ▶ <input type="checkbox"/> Laser ▶	
Diagnostics <input type="checkbox"/> Endobronchial forceps biopsy taken Total # of biopsies taken: <input type="text"/> <input type="checkbox"/> Endobronchial brushing taken <input type="checkbox"/> Endobronchial needle aspiration Number of passes: <input type="text"/> Needle gauge used: <input type="text"/> <input type="checkbox"/> Mucosa sprayed for hemostasis with: <input type="text"/> <input type="checkbox"/> Wash volume of saline used: <input type="radio"/> ≤ 20 ml <input type="radio"/> > 20 ml Sent to pathology: <input type="radio"/> Yes <input type="radio"/> No Enter pathology ID: <input type="text"/> <input type="button" value="Add"/> Current pathology IDs: <input type="text"/>	
<input type="button" value="Save"/> <input type="button" value="Cancel"/>	

Description: Other

Table: MucosalAbnDescOther

Other
Description <input type="text"/>
<input type="button" value="Save"/> <input type="button" value="Cancel"/>

Mucous plug

Table: BRONpMucousPlug

Mucous plug

Location

Description

Treatment outcome

Image(s) taken

Diagnosis

Comments

Treatment outcome

Normal finding

Table: BRONpNormalFinding

Normal finding	
Location <input type="text" value="Larynx"/>	<input type="checkbox"/> Image(s) taken
Therapeutic procedure(s)	Comments <input type="text"/>
<input type="checkbox"/> APC ▶ <input type="checkbox"/> Manual debridement ▶ <input type="checkbox"/> Balloon dilation ▶ <input type="checkbox"/> Stent ▶ <input type="checkbox"/> Cryotherapy ▶ <input type="checkbox"/> Stent removal ▶ <input type="checkbox"/> Electrocautery ▶ <input type="checkbox"/> Other therapy ▶ <input type="checkbox"/> Laser ▶	
Diagnostics	
<input type="checkbox"/> Endobronchial forceps biopsy taken Total # of biopsies taken <input type="text"/>	
<input type="checkbox"/> Endobronchial brushing taken	
<input type="checkbox"/> Endobronchial needle aspiration Number of passes <input type="text"/> Needle gauge used <input type="text"/>	
<input type="checkbox"/> Mucosa sprayed for hemostasis with <input type="text"/>	
<input type="checkbox"/> Wash volume of saline used <input type="radio"/> ≤ 20 ml <input type="radio"/> > 20 ml	
Sent to pathology <input type="radio"/> Yes <input type="radio"/> No	
Enter pathology ID <input type="text"/> <input type="button" value="Add"/>	
Current pathology IDs <input type="text"/>	
	<input type="button" value="Save"/> <input type="button" value="Cancel"/>

Other finding

Table: BRONpOtherFinding

Other finding	
Location: <input type="text" value="Larynx"/>	<input type="checkbox"/> Image(s) taken
Description: <input type="text"/>	
Therapeutic procedure(s)	Diagnosis: <input type="text"/>
<input type="checkbox"/> APC ▶	
<input type="checkbox"/> Balloon dilation ▶	
<input type="checkbox"/> Cryotherapy ▶	
<input type="checkbox"/> Electrocautery ▶	
<input type="checkbox"/> Laser ▶	
<input type="checkbox"/> Manual debridement ▶	
<input type="checkbox"/> Stent ▶	
<input type="checkbox"/> Stent removal ▶	
<input type="checkbox"/> Other therapy ▶	Comments: <input type="text"/>
Diagnostics	
<input type="checkbox"/> Endobronchial forceps biopsy taken Total # of biopsies taken: <input type="text"/>	
<input type="checkbox"/> Endobronchial brushing taken	
<input type="checkbox"/> Endobronchial needle aspiration Number of passes: <input type="text"/>	
Needle gauge used: <input type="text"/>	
<input type="checkbox"/> Mucosa sprayed for hemostasis with: <input type="text"/>	
<input type="checkbox"/> Wash volume of saline used: <input type="radio"/> ≤ 20 ml <input type="radio"/> > 20 ml	
Sent to pathology: <input type="radio"/> Yes <input type="radio"/> No	
Enter pathology ID: <input type="text"/> <input type="button" value="Add"/>	
Current pathology IDs: <input type="text"/>	
	<input type="button" value="Save"/> <input type="button" value="Cancel"/>

Prior surgery

Table: BRONpPriorSurgery

Prior surgery

Location: Larynx

Description:

Diagnosis:

Image(s) taken

Comments:

Save Cancel

Purulent secretions

Table: BRONpPurulentSecretions

Purulent secretions

Location: Trachea

Description:

Diagnosis:

Save Cancel

Tear / Perforation

Table: BRONpTearPerforation

Tear / Perforation	
Location <input type="text" value="Trachea"/>	<input type="checkbox"/> Image(s) taken
Size (mm) <input type="text"/>	
Tissue adhesive used <input type="radio"/> Yes <input type="radio"/> No	
Therapeutic procedure(s)	Diagnosis <input type="text"/>
<input type="checkbox"/> APC <input type="checkbox"/> Manual debridement	Comments <input type="text"/>
<input type="checkbox"/> Balloon dilation <input type="checkbox"/> Stent	
<input type="checkbox"/> Cryotherapy <input type="checkbox"/> Stent removal	
<input type="checkbox"/> Electrocautery <input type="checkbox"/> Other therapy	
<input type="checkbox"/> Laser	
Diagnostics	
<input type="checkbox"/> Endobronchial forceps biopsy taken Total # of biopsies taken <input type="text"/>	
<input type="checkbox"/> Endobronchial brushing taken	
<input type="checkbox"/> Endobronchial needle aspiration Number of passes <input type="text"/>	
Needle gauge used <input type="text"/>	
<input type="checkbox"/> Mucosa sprayed for hemostasis with <input type="text"/>	
<input type="checkbox"/> Wash volume of saline used <input type="radio"/> <= 20 ml <input type="radio"/> > 20 ml	
Sent to pathology <input type="radio"/> Yes <input type="radio"/> No	
Enter pathology ID <input type="text"/> <input type="button" value="Add"/>	
Current pathology IDs <input type="text"/>	
	<input type="button" value="Save"/> <input type="button" value="Cancel"/>

Therapeutic procedure

Table: BRONpTherapeuticProcs

Therapeutic procedures

Endotracheal tube placement
Endotracheal tube size (Fr)

Percutaneous dilational tracheotomy
Tracheotomy tube size (Fr)

Brachytherapy

Photodynamic therapy (PDT)
Photosensitizer and dose
Type of laser
Watts
Joules
Total seconds

Bronchial thermoplasty

Airway valve
Anatomic location of valve

Other therapeutic procedure

Description

Procedural outcome

Comments

Tracheoesophageal fistula

Table: BRONpTracheoFistula

Tracheoesophageal fistula

Description

Therapeutic procedure(s)

APC Manual debridement
 Balloon dilation Stent
 Cryotherapy Stent removal
 Electrocautery Other therapy
 Laser

Diagnosis

Image(s) taken

Comments

Tracheomalacia

Table: BRONpTracheomalacia

Tracheomalacia

Description

Appearance

mucosal edema

cartilage effacement

other

Severity of obstruction ▼

Lumen diameter (mm)

Therapeutic procedure(s)

<input type="checkbox"/> APC ▶	<input type="checkbox"/> Manual debridement ▶
<input type="checkbox"/> Balloon dilation ▶	<input type="checkbox"/> Stent ▶
<input type="checkbox"/> Cryotherapy ▶	<input type="checkbox"/> Stent removal ▶
<input type="checkbox"/> Electrocautery ▶	<input type="checkbox"/> Other therapy ▶
<input type="checkbox"/> Laser ▶	

Diagnostics

Endobronchial forceps biopsy taken
Total # of biopsies taken

Endobronchial brushing taken

Endobronchial needle aspiration
Number of passes
Needle gauge used

Mucosa sprayed for hemostasis
with

Wash
volume of saline used ≤ 20 ml > 20 ml

Sent to pathology Yes No

Enter pathology ID

Current pathology IDs

Diagnosis

Image(s) taken

Comments

Description

Appearance

mucosal edema

cartilage effacement

other

Severity of obstruction ▼

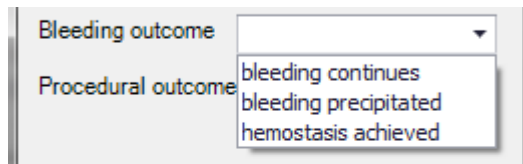
Lumen diameter (mm)

partial
 almost complete
 complete

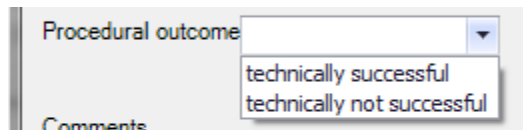
Therapeutic procedure(s)

THERAPIES

Menus used in all therapies:



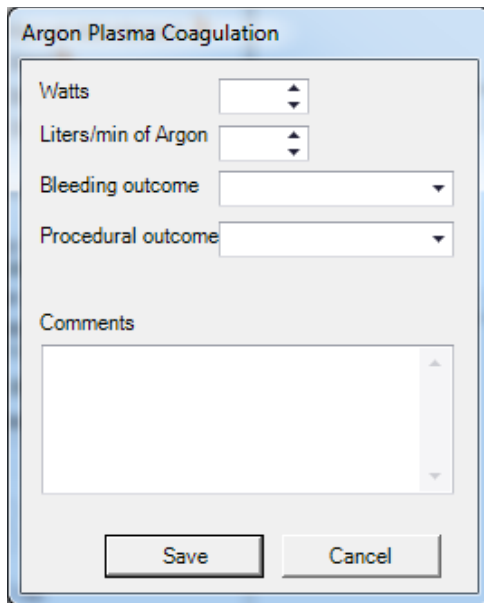
A screenshot of a software interface showing two dropdown menus. The first menu is labeled 'Bleeding outcome' and is currently open, displaying three options: 'bleeding continues', 'bleeding precipitated', and 'hemostasis achieved'. The second menu is labeled 'Procedural outcome' and is currently closed.



A screenshot of a software interface showing two dropdown menus. The first menu is labeled 'Procedural outcome' and is currently open, displaying two options: 'technically successful' and 'technically not successful'. The second menu is labeled 'Comments' and is currently closed.

Argon Plasma Coagulation (APC)

Table: APC



A screenshot of a dialog box titled 'Argon Plasma Coagulation'. The dialog box contains several input fields and a text area. The fields are: 'Watts' (a numeric input field with up and down arrows), 'Liters/min of Argon' (a numeric input field with up and down arrows), 'Bleeding outcome' (a dropdown menu), and 'Procedural outcome' (a dropdown menu). Below these fields is a 'Comments' text area. At the bottom of the dialog box are two buttons: 'Save' and 'Cancel'.

Balloon dilation

Table: Dilation

Balloon dilation

Maximum balloon size (mm)

Length of time (secs)

Resistance

Heme on extraction

Procedural outcome

Comments

Resistance

Heme on extraction

Procedural outcome

none
minimal
moderate
significant

Heme on extraction

Procedural outcome

Comments

none
minimal
moderate
significant

Cryotherapy

Table: Cryotherapy

The screenshot shows a software window titled "Cryotherapy". It contains the following fields and controls:

- Instrument:** A text input field.
- Total seconds:** A numeric spinner control.
- Bleeding outcome:** A dropdown menu.
- Procedural outcome:** A dropdown menu.
- Comments:** A large text area with a vertical scrollbar.
- Buttons:** "Save" and "Cancel" buttons at the bottom.

Electrocautery

Table: Electrocautery

The screenshot shows a software window titled "Electrocautery". It contains the following fields and controls:

- Instrument:** A text input field.
- Watts:** A numeric spinner control.
- Total seconds:** A numeric spinner control.
- Bleeding outcome:** A dropdown menu.
- Procedural outcome:** A dropdown menu.
- Comments:** A large text area with a vertical scrollbar.
- Buttons:** "Save" and "Cancel" buttons at the bottom.

Laser

Table: Laser (No data available)

The screenshot shows a software window titled "Laser". It contains several input fields: "Type of laser" (a text box with a vertical cursor), "Watts" (a spinner box), "Joules" (a spinner box), "Total seconds" (a spinner box), "Bleeding outcome" (a dropdown menu), and "Procedural outcome" (a dropdown menu). Below these is a "Comments" section with a large text area. At the bottom are "Save" and "Cancel" buttons.

Manual debridement

Table: Debridement

The screenshot shows a software window titled "Manual debridement". It contains a "Description" text area with a vertical cursor, "Bleeding outcome" (a dropdown menu), and "Procedural outcome" (a dropdown menu). Below these is a "Comments" section with a large text area. At the bottom are "Save" and "Cancel" buttons.

Stent placement or replacement

Table: BRONpStent

Stents grid: No data available

Stent placement or replacement

Procedure

placement

replacement

Stents

Add stent

Stent	Type	Length (cm)	Diameter	Unit	Note
-------	------	-------------	----------	------	------

Performed under fluoroscopy guidance

Procedure outcome

Comments

Save Cancel

Stent removal

Table: StentRemoval

Stent removal

Description

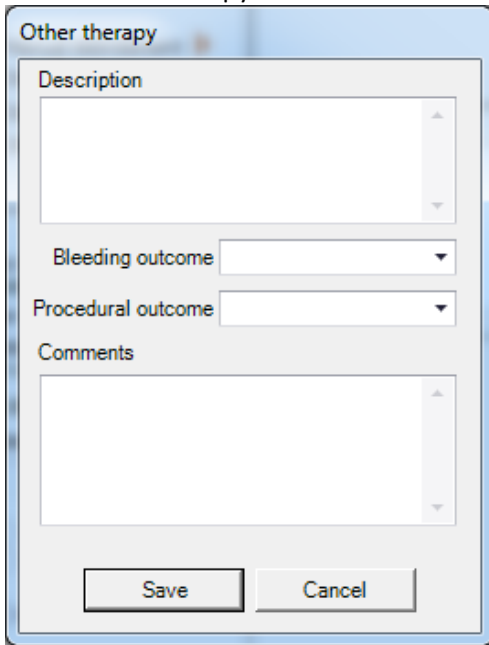
Procedural outcome

Comments

Save Cancel

Other therapy

Table: OtherTherapy



The screenshot shows a window titled "Other therapy" with a light blue border. Inside the window, there are four main sections: a "Description" text area with a vertical scrollbar, a "Bleeding outcome" dropdown menu, a "Procedural outcome" dropdown menu, and a "Comments" text area with a vertical scrollbar. At the bottom of the window, there are two buttons: "Save" and "Cancel".

EVENTS

Table: PEDS_BronIntervention

Intervention medication grid: PEDS_BronIntervention_Intervention_medication_grid

The screenshot shows the 'Bronchoscopy' software window. On the left is a navigation menu with buttons for History, Physical exam, Indications, Preprocedure, Sedation, Procedure, Visualization, Findings, **Events**, Assessment/Plan, and Letters/Instructions. The main area is divided into several sections:

- Pathology Images Print Fax Orders:** Patient information including First name (Fake), Middle name, Last name (Patient), MRN (00000000), Birth date (1/1/1901), and Procedure date (Jan 01, 2000 12:00 PM).
- Were there any unplanned events?** Radio buttons for Yes and No.
- Cardiac events:** Arrhythmia, Bradycardia, Chest pain, Hypertension, Hypotension, Tachycardia, Vasovagal reaction, Other cardiac event.
- Pulmonary events:** Elevated pCO2, Respiratory distress, Wheezing, Pneumothorax, Pneumomediastinum, Hypoxia - transient (<= 15 sec), Hypoxia - prolonged (> 15 sec), Foreign body, Bleeding (>10 cc or <=10 cc), Other pulmonary event.
- Gastrointestinal events:** Abdominal pain, Nausea/vomiting, Perforation, Other GI event.
- Other events:** Death, Drug reaction, Paradoxical reaction, Prolonged sedation, Rash/hives, Seizure, Other event.
- Interventions required?** Radio buttons for Yes and No.
- Intervention medication:** A table with columns Medication, Dose, and Route. An 'Add med' button is above it.
- Unplanned events/interventions comments:** A text area for notes.

Buttons at the bottom include Save, Sign, Print Preview, and Close.

This close-up shows the 'Intervention medication' table. The 'Medication' column has a dropdown menu open, displaying a list of medications: atropine, diphenhydramine, epinephrine, epinephrine 1:1,000, epinephrine 1:10,000, flumazenil, glucagon, glycopyrrolate, hydrocortisone, hydroxyzine, lidocaine, meperidine, naloxone, and promethazine. The 'Dose' and 'Route' columns are currently empty.

This close-up shows the 'Dose' dropdown menu for 'atropine'. The menu is open, displaying a list of dosage options: 1 mg, 2 mg, 3 mg, 4 mg, 5 mg, 6 mg, 7 mg, 8 mg, 9 mg, and 10 mg. The 'Medication' column shows 'atropine' and the 'Route' column is empty.

(Dose menu customized to Medication selection)

Intervention medication			Add med
Medication	Dose	Route	
atropine			
			<ul style="list-style-type: none"> Aerosol IM IV PO PR SC SL Topical
<input type="checkbox"/> Other intervention medication			

Cardiac events: Other cardiac event

Table: EventCardiacOther

Other cardiac events

Pulmonary events: Hypoxia – Prolonged (>15 sec)

Table: EventHypoxia

Prolonged hypoxia comments

Pulmonary events: Bleeding

Table: EventBleeding

Bleeding comments

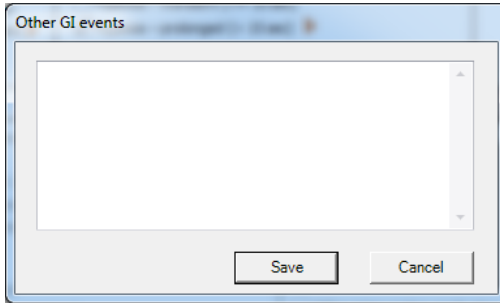
Pulmonary events: Other pulmonary event

Table: EventPulmOther

Other pulmonary events

Gastrointestinal events: Other GI event

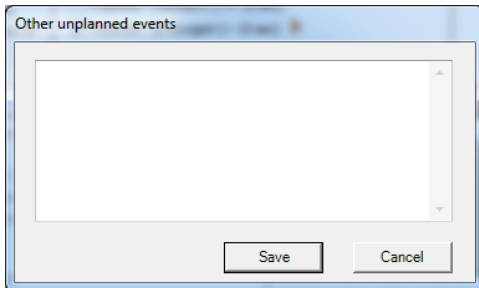
Table: EventGIOther



A screenshot of a dialog box titled "Other GI events". It features a large, empty text area for input. At the bottom of the dialog, there are two buttons: "Save" and "Cancel".

Other events: Other event

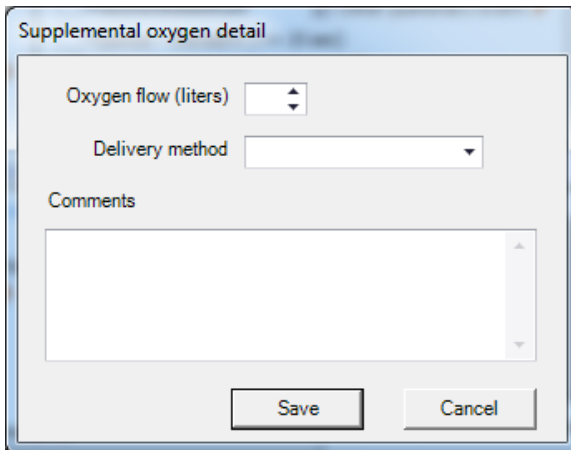
Table: EventOther



A screenshot of a dialog box titled "Other unplanned events". It features a large, empty text area for input. At the bottom of the dialog, there are two buttons: "Save" and "Cancel".

If yes, specify the interventions: Oxygen administered

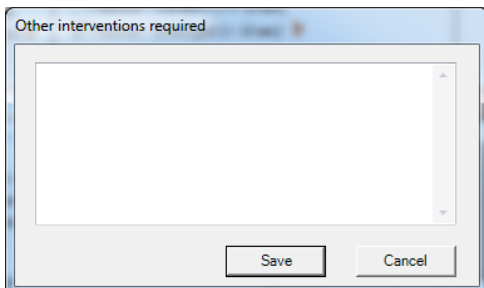
Table: EventsO2Admin



A screenshot of a dialog box titled "Supplemental oxygen detail". It contains several input fields: "Oxygen flow (liters)" with a numeric spinner, "Delivery method" with a dropdown menu, and "Comments" with a large text area. At the bottom, there are "Save" and "Cancel" buttons.

If yes, specify the interventions: Other interventions

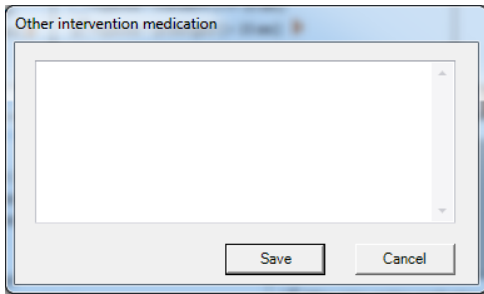
Table: EventIntervenOther



A screenshot of a dialog box titled "Other interventions required". It features a large, empty text area for input. At the bottom of the dialog, there are two buttons: "Save" and "Cancel".

Intervention medications: Other intervention medication

Table: IntervenMedOther



The image shows a screenshot of a software window titled "Other intervention medication". The window has a light blue title bar and a white main area. At the bottom of the window, there are two buttons: "Save" and "Cancel". The main area is currently empty, suggesting a form or table that is not populated with data.

ASSESSMENT / PLAN

Table: PEDS_BRONTreatmentPlan

New medications grid: PEDS_BRONTreatmentPlan_New_medications_grid

Scheduling and Referring grid:

PEDS_BRONTreatmentPlan_Scheduling_and_Referring_grid (redacted)

The screenshot shows the 'Bronchoscopy' application window. The top navigation bar includes 'Pathology', 'Images', 'Print', 'Fax', and 'Orders'. The patient information section displays: First name: Fake, Middle name: Patient, Last name: Patient, MRN: 00000000, Birth date: 1/1/1901, Procedure date: Jan 01, 2000 12:00 PM. The 'Assessment/Plan' section is active, showing a 'Medication plan' area with checkboxes for 'Start new medications', 'Discontinue current medications', 'Continue current medications', 'Await pathology', 'Medications per referring provide', and 'No medications required'. Below this is the 'New medications' section with an 'Add med' button and a table with columns: Medication Type, Medication, Dose, Route, Sig, Disp, Comments. The 'Scheduling and Referring' section has a 'New activity' button and a table with columns: Activity Type, Activity, When, Date, Comments. At the bottom left are buttons for 'Save', 'Sign', 'Print Preview', and 'Close'.

This close-up shows the 'New medications' section. The 'Medication Type' dropdown is set to '5-ASA'. A list of medication categories is displayed, including: 5-ASA, Anti-constipation, Anti-diarrheal, Antibiotics, Antiemetic, Antispasmodics, Bile Acids, Fiber supplements, H2 Blocker, Hemorrhoidal Agent, Hormone therapy, HP Med, Immunosuppressants, Non-Steroidals, Other GI Medications, PPI, Protonix, Psychotropics, Steroids, and Varices Meds. The 'Scheduling and Referring' section is also visible below.

This close-up shows the 'Medication' dropdown menu. The 'Medication Type' is '5-ASA'. The 'Medication' dropdown is set to 'mesalamine'. The list of specific medications includes: mesalamine, mesalamine enema, mesalamine suppository, olsalazine, and sulfasalazine.

(Medication menu customized to Medication Type selection)

New medications						
Medication Type	Medication	Dose	Route	Sig	Disp	Comments
5-ASA	mesalamine	1500 mg				
<input type="checkbox"/> Other new medications						

(Dose menu customized to Medication selection)

New medications						
Medication Type	Medication	Dose	Route	Sig	Disp	Comments
5-ASA	mesalamine		Aerosol			
<input type="checkbox"/> Other new medications						

New medications						
Medication Type	Medication	Dose	Route	Sig	Disp	Comments
5-ASA	mesalamine			AC		
<input type="checkbox"/> Other new medications						

Scheduling and Referring				
Activity Type	Activity	When	Date	Comments
Admit to hospital				
<input type="checkbox"/> Other plan				

Scheduling and Referring				
Activity Type	Activity	When	Date	Comments
Followup	Call office			
<input type="checkbox"/> Other plan				

(Activity menu customized to Activity Type selection)

Scheduling and Referring				
Activity Type	Activity	When	Date	Comments
Followup		Around		
<input type="checkbox"/> Other plan				

Medication plan: Discontinue current medications

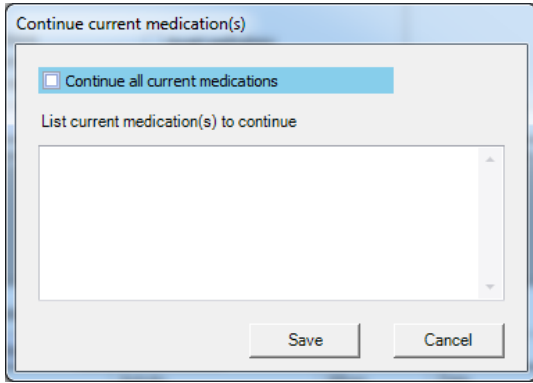
Table: DiscontinueCurMeds

Discontinue current medication(s)

List current medication(s) to discontinue

Medication plan: Continue all current medications

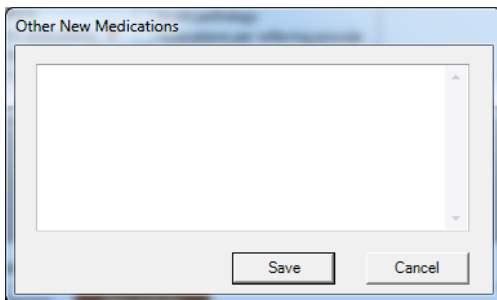
Table: ContinueMeds



The screenshot shows a dialog box titled "Continue current medication(s)". At the top, there is a checkbox labeled "Continue all current medications" which is checked. Below the checkbox is a text label "List current medication(s) to continue" followed by a large, empty text area with a vertical scrollbar. At the bottom of the dialog, there are two buttons: "Save" and "Cancel".

Medication plan: Other new medications

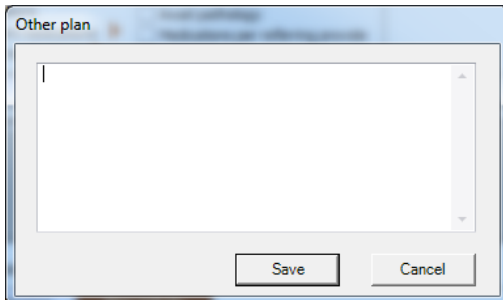
Table: OtherNewMeds



The screenshot shows a dialog box titled "Other New Medications". It features a large, empty text area with a vertical scrollbar. At the bottom of the dialog, there are two buttons: "Save" and "Cancel".

Scheduling and Referring: Other plan

Table: PlanOther



The screenshot shows a dialog box titled "Other plan". It contains a large, empty text area with a vertical scrollbar. At the bottom of the dialog, there are two buttons: "Save" and "Cancel".

LETTERS / INSTRUCTIONS

Table: Letters

Pathology Images Print Fax Orders

First name Fake	Middle name	Last name Patient	MRN 00000000	Birth date 1/1/1901	Procedure date Jan 01, 2000 12:00 PM
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Select Providers to receive copies of the report

Search by last name [Providers](#)

Referring provider

Other providers to be copied

Print these providers at bottom of procedure report

Finding-specific instructions

Bronchoscopy

<input type="checkbox"/> Abnormal anatomy	<input type="checkbox"/> Extrinsic compression	<input type="checkbox"/> Tear/perforation
<input type="checkbox"/> Blood	<input type="checkbox"/> Foreign body	<input type="checkbox"/> Therapeutic procedure
<input type="checkbox"/> Bronchomalacia	<input type="checkbox"/> Mucosal abnormality	<input type="checkbox"/> Tracheoesophageal fistula
<input type="checkbox"/> Diagnostic test	<input type="checkbox"/> Mucous plug	<input type="checkbox"/> Tracheomalacia
<input type="checkbox"/> Endobronchial mass	<input type="checkbox"/> Other finding	
<input type="checkbox"/> Endobronchial stenosis	<input type="checkbox"/> Purulent secretions	

Instructions given in

Post-exam instructions given

NPO

Liquids only

Resume prior diet

No alcohol

ASA / NSAIDS

Restart medications

Standardized instructions given

Sedation

Other specific post-exam instructions