Cambridge Neuroanaesthesia Training
Cambridge University Hospitals NHS Trust
Addenbrooke's Hospital

Epic
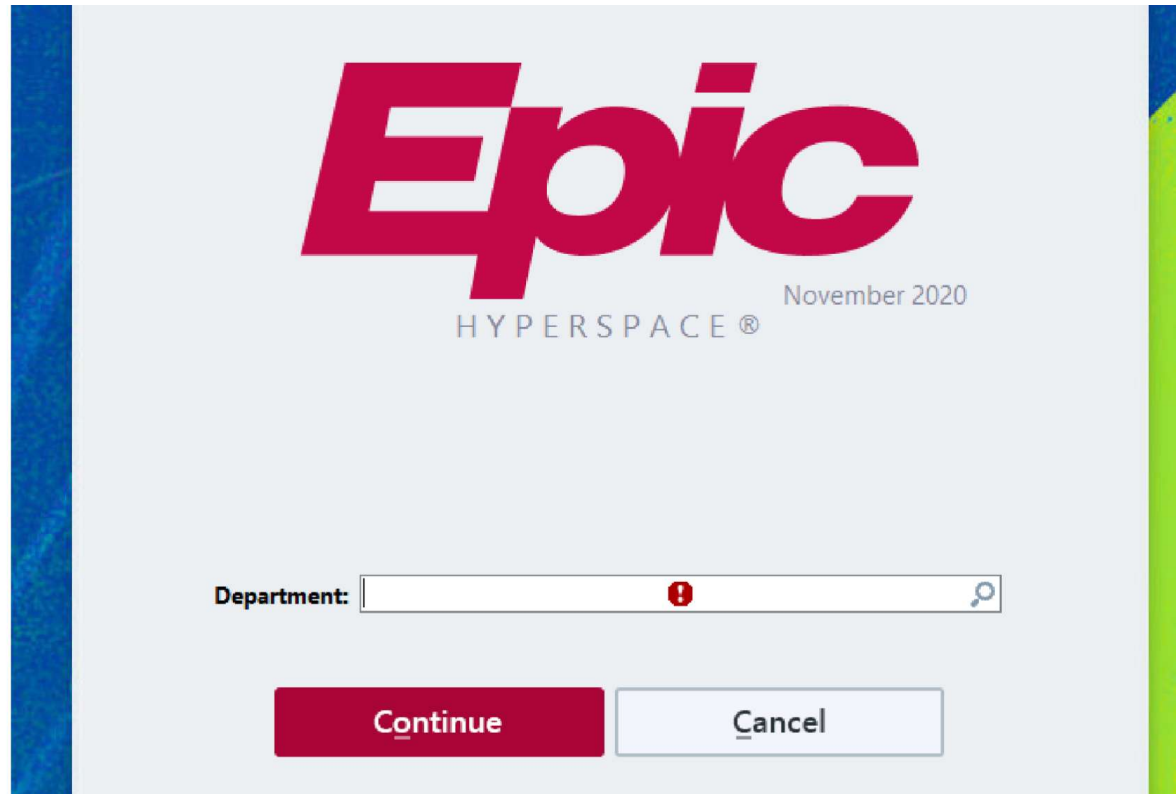HYPERSPACE®
November 2020

A GUIDE
FOR NEUROANAESTHESIA

Login

Press "=" to auto-populate this box with your last selected department

PRE-PROCEDURE EVALUATION

1) Select Pre-procedure evaluation

2) Select create note

ADULT PRE EVALUATION

Select Note Type & Template

Select a note type:

Anaesthesia Preprocedure Evaluation

Select a NoteWriter template:

ADULT PRE EVALUATION
PAEDIATRIC PRE EVAL

Accept   Cancel

Select the appropriate "NoteWriter" template

NOTEWRITER – ROS/MED

In 'Other Medical History' generate a SmartText (press '+') and use your own Neuroanaesthesia pre-assessment template. Save your template and access it at other times by typing a full stop before the name you gave it.

SmartPhrases

- Type . then the 'name' to insert a smartphrase into text
  - eg ".prob" inserts a problem list for the pt
- Make your own
  - Ensure the 'name' is memorable and easily searchable. I start mine with my initials.

Courtesy Dr G Couch

EXAMPLE OF A NEUROANAESTHESIA TEMPLATE

Age. Weight (kg). Occupation. Handedness.

For -

Background -

PMH -

PSH -

DHx -

Allergies -

SHx -

GA Hx –

Reflux -

Fasting status – food/fluids/NG or PEG fed?

Functional capacity -
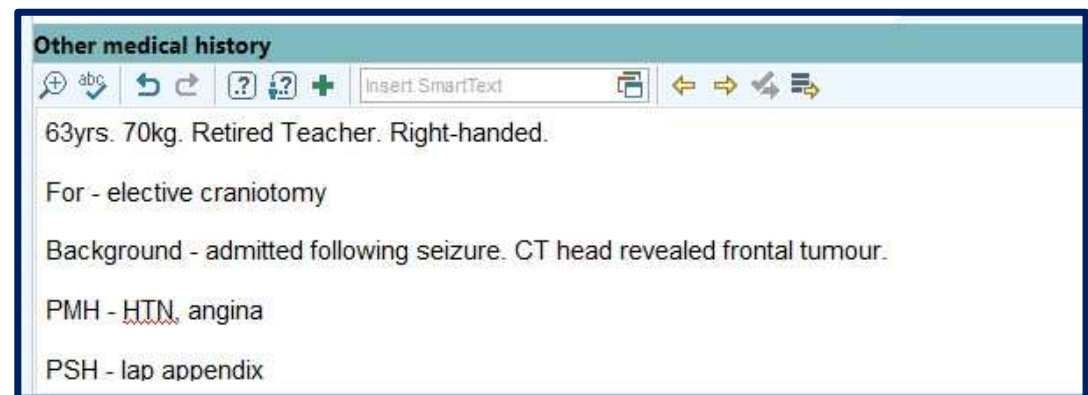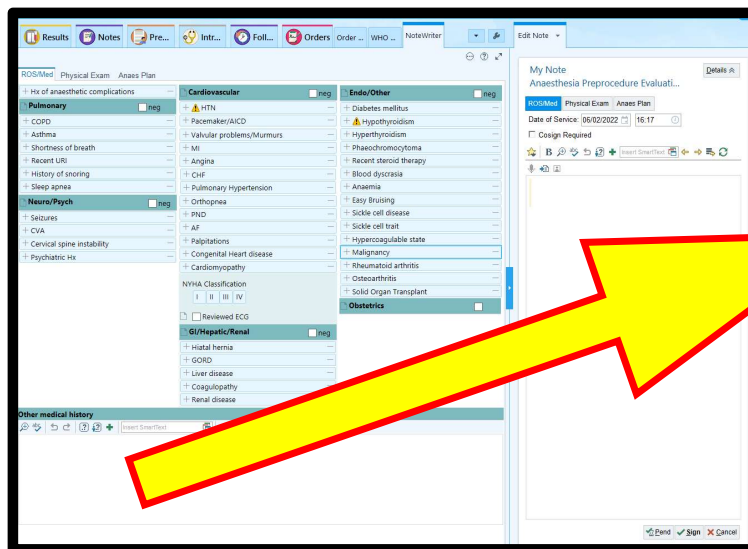
Bloods -

G&S -

ECG -

COVID status -

Imaging -

Obs -

Pregnancy status -

YOUR PRE-ASSESSMENT
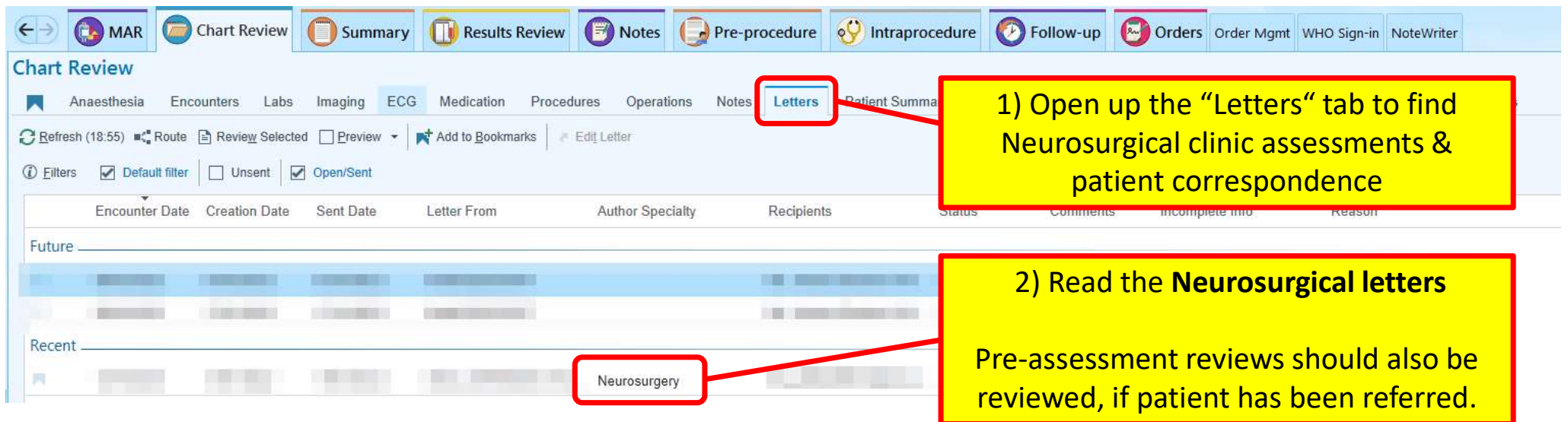
Pathway – Chart Review/ROS/Other medical history

Other medical history

63yrs. 70kg. Retired Teacher. Right-handed.

For - elective craniotomy

Background - admitted following seizure. CT head revealed frontal tumour.

PMH - HTN, angina

PSH - lap appendix

Paste the Neuroanaesthesia Preassessment template in the "Other Medical History" box, and complete the necessary fields

Courtesy Dr L Harvey

HOW DO I LEARN ABOUT THE CASE?

Read the Neurosurgical clinic letters:-

- **Pathway – Chart Review/Letters** - look for "Neurosurgery" under Author Specialty tab

1) Open up the "Letters" tab to find Neurosurgical clinic assessments & patient correspondence

2) Read the **Neurosurgical letters**

Pre-assessment reviews should also be reviewed, if patient has been referred.

Courtesy Dr L Harvey

WHERE DO I FIND A PATIENT SUMMARY?

Pathway – Summary/Anaesthesia Record/

Check under **Summary/Anaesthetic Record** – this useful page summarises PMH, PSH, Substance Hx, NBM status, Preprocedure Vitals & DHx

Patient medications – be vigilant for anti-platelet drugs, anti-coagulants, LMWH

Courtesy Dr L Harvey

WHERE DO I FIND THE PATIENT'S NOTE ENTRIES?

Pathway – Chart Review/Notes

Open up the "Notes" tab to find daily reviews, outpatient clinic assessments, ward entries & patient correspondence

Courtesy Dr L Harvey

Notes

Read hospital notes here

Write hospital notes here

Surgeon's letters

View scanned notes here
Eg from a different trust

Courtesy Dr G Couch

HOW TO FIND THE NEUROSURGICAL PRE-OP ASSESSMENT

Pathway – Chart Review/Notes/POA Summary

Nurse-led pre-operative assessment:-

GP CONNECT

Pathway – Chart Review/Encounters

- You can access the "GP Connect Patient Care Record", for corroborative patient information (medications, drug allergies, pacemaker information, echo reports etc)
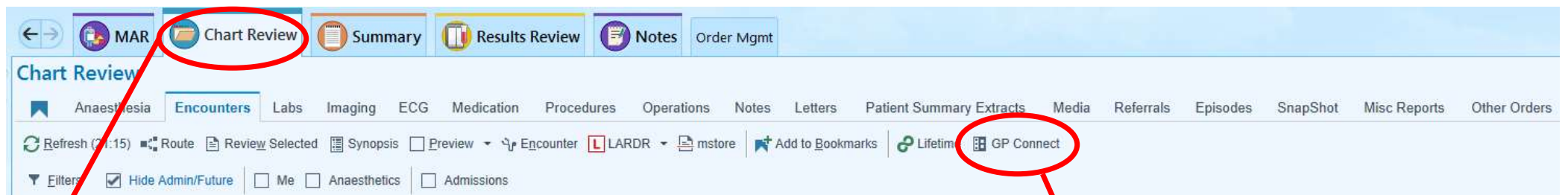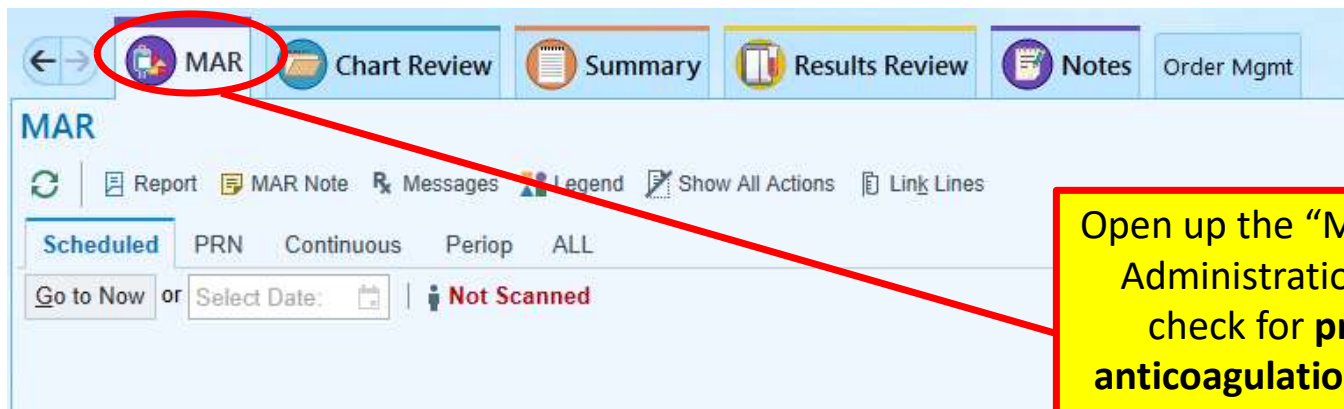

Select **Chart review**, then **"GP Connect"**

"GP Connect" offers access to a summarised version of the patient's GP records

Courtesy Dr L Harvey

IN-PATIENT DRUG CHART – "MAR"

Pathway – MAR/Report

Open up the "MAR" tab to find the in-patient Drug Administration record – please be vigilant and check for **prophylactic LMHW/therapeutic anticoagulation/NOACs/warfarin & anti-platelet administration times**, particularly if transferring cases to theatre out-of-hours

HOW TO FIND IMAGING RESULTS

Pathway - Chart Review/Imaging

Click on the Imaging tab to access images & radiology reports, if undertaken in Addenbrooke's.

"Foreign films" are images transferred from out-of-area. Scanned copies of out-of-area reports or **MDT reviews** may be available under the "Media" tab.

Courtesy Dr L Harvey

ALWAYS REVIEW THE PREVIOUS ANAESTHESIA CHARTS

Pathway – Chart Review/Anaesthesia

Please review previous anaesthetic charts for pertinent information – e.g. pre-assessment record, **intubation grade**, intra-operative issues (allergic reactions, transfusion, haemodynamic instability etc)

Courtesy Dr L Harvey

PREVIOUS ANAESTHESIA CHARTS

Information is sub-divided into the following sections:

- Procedure Summary

- Preprocedure Note (i.e. the anaesthesia preassessment)

- Intraprocedure Grid/Graph

- Intraprocedure I/O Totals

- Procedure Notes

- Patient Lines/Drains/Airway Status

PREVIOUS ANAESTHESIA CHARTS

Patient Lines/Drains/Airway Status – ETT

Length to lips/nostril : 22 cm
Placed by : Consultant
ETT Type: Reinforced
Cuff &route: Cuffed
Laryngoscopy Grade & Intubation aids: Grade 2;Bougie;BURP
ETT Confirmation & securing: Exp CO2;Tape
Insertion attempts & Trauma: 1;Atraumatic 📄 Atraumatic; caps/crowns intact
following intubation
Laryngoscope Blade : Mcintosh
Blade size: 4
Difficulty: Easy
ETT Size: 7
Ease of ETT Insertion: Easy
Bag mask ventilation: Easy

Please review any previous anaesthetic Addenbrooke's charts for **intubation grade**; this will enable you to plan for a known difficult away – e.g. anticipate need for fibre-optic/video laryngoscopy or additional assistance – especially out-of-hours

Courtesy Dr L Harvey

HOW TO FIND G&S SAMPLES

Pathway – Results Review/select Blood Typing:-

Courtesy Dr L Harvey

HOW TO FIND AN ECG

Pathway - Chart Review/ECG

1) Click on the ECG tab

2) Click on "GE ECG Images"; this will open separate ECG window

Courtesy Dr L Harvey

CENTRICITY ECG WINDOW

Click here to view ECG
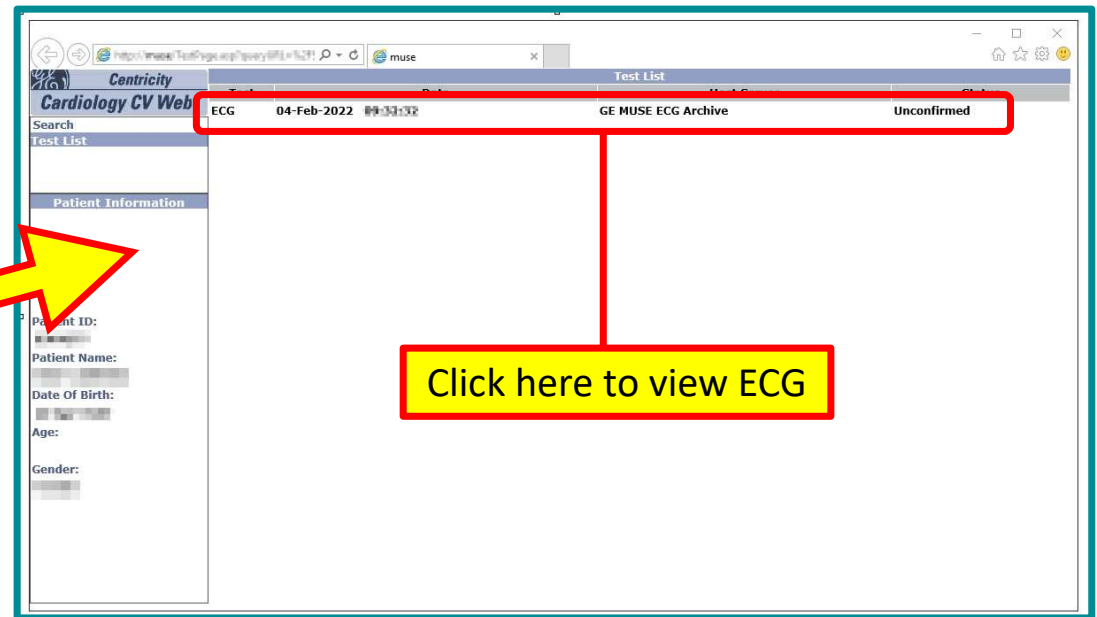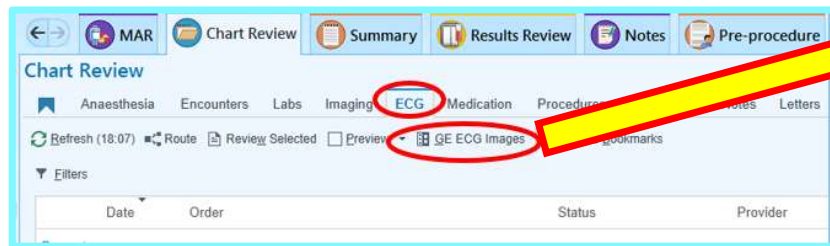
COVID STATUS

Pathway – Results Review/Virology, Serology & Molecular/Molecular PCR

COVID status under "Molecular PCR", however, the result may also be entered manually under Chart Review/Notes, if obtained from another hospital/out of area

Courtesy Dr L Harvey

HOW TO FIND PRE-OPERATIVE OBSERVATIONS

Pathway: Chart Review/dropdown icon
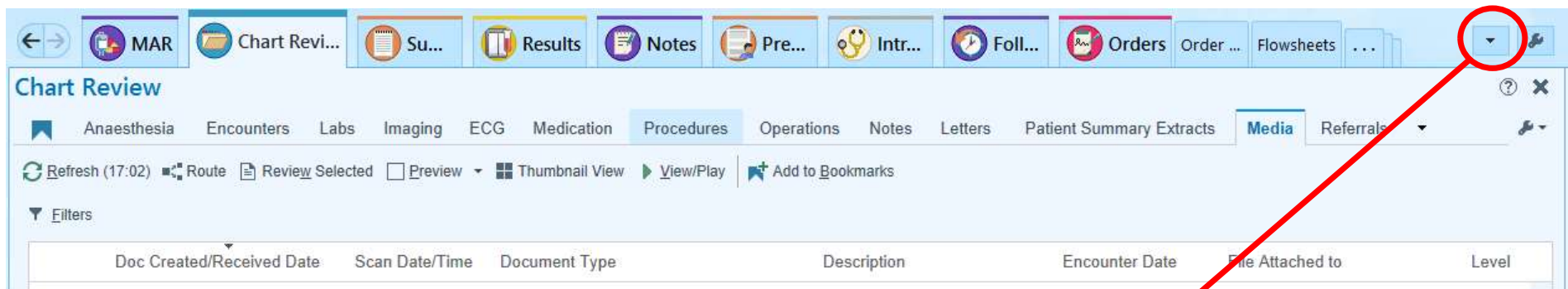
Click on drop-down icon
(opens "additional activity" window,
containing the "Flowsheets" option

HOW TO FIND PRE-OPERATIVE OBSERVATIONS - FLOWSHEETS

Pathway: Chart Review/dropdown icon/Flowsheets

Click on "Flowsheets" for observations

Courtesy Dr L Harvey

HOW TO FIND PRE-OPERATIVE OBSERVATIONS – VITAL SIGNS

Pathway: Chart Review/dropdown icon/Flowsheets/PACU

Vital Signs can be found under the "**PACU**" tab within Flowsheets

Courtesy Dr L Harvey

Orders

- Make new prescriptions via order sets or the search box on the right

- Mark blood samples as 'collected' so the lab will process them

Courtesy Dr G Couch

Order Management

Alter prescriptions

Out of hospital prescriptions can be seen here

Anaesthetic prescriptions hide here

Can be activated here
(can be done by recovery, or sometimes a popup will appear when you prescribe and you can select the 'sign' checkbox)
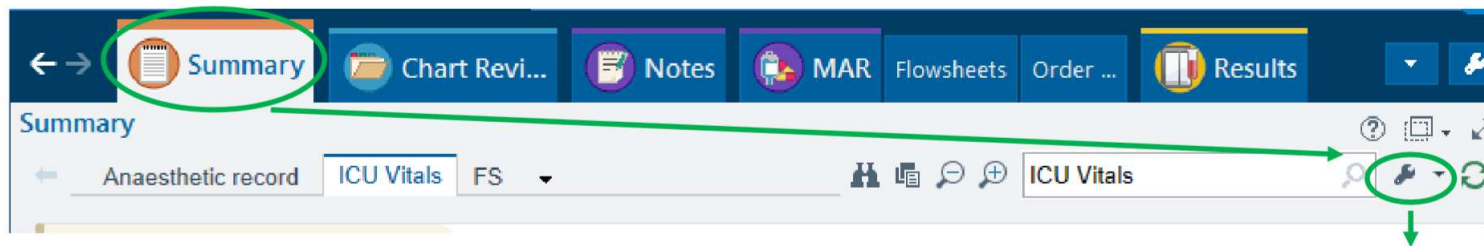
Courtesy Dr G Couch

Setting up your 'Summary' tab

Add or remove tabs from toolbar
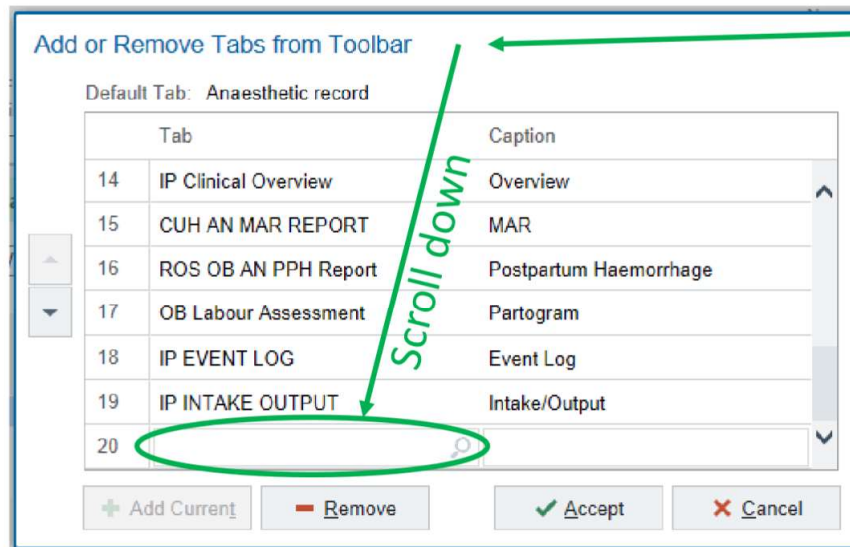
Search for:
- ICU → select 'ICU vitals'
- FS → select 'IP Comprehensive Flowsheet'
- Blood → select 'Anaesthesia Blood'
- Fever → select IP Fever/Antibiotic Dosing
- Labs → select 'IP Labs Since Admission'

Courtesy Dr G Couch

Setting up your 'Summary' tab
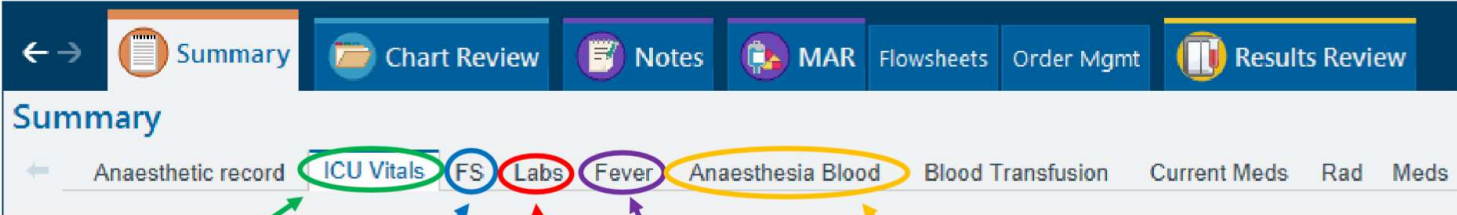

Move those five to the top of the list using these arrows →

Summary tab

Ward obs

Infusions (with rate) the pt is on in ITU (norad, propofol etc). You may need to scroll down.
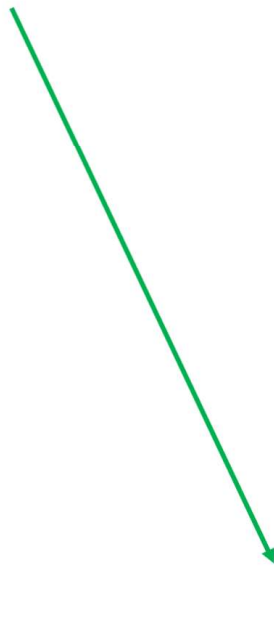
Tabular display of all lab results

Scroll down for lines (with age of line) eg 'art line rt radial day 15'

What products have been requested & whether they're ready for collection

Devices

Forgot to press 'start data collection'?

Devices

Change the time to the beginning of the case

Carescape = monitor
Perseus = anaesthetic machine

Sometimes the anaesthetic room devices won't show up:

- Add MAIN-THP-[your theatre number]
  - Carescape = monitor
  - Atlan = anaesthetic machine

Courtesy Dr G Couch

Making a Macro

Courtesy Dr G Couch

Macro

- Add and change the order of medications

- Add and change the order of quick events

- Add lines etc (if desired – I think it's more work than adding them fresh)

- Follow the numbers to save!

GCNEURO [106238] - COUCH, GEORGE

1. Save Save As 2. ✔ Release

Med LDAs

Events Remind

Record name: GCNEURO

Display name: GCNEURO

Public Confidential

Notes:

Share with users:

3. Accept Cancel

AFTER 1 and 2

GCNEURO (Confidential)
Owned by COUCH, GEORGE
Status Unreleased
Notes
Share with

Medication
Midazolam (mg)
Fentanyl (mcg)
Morphine (mg)
Remifentanil(mcg/kg/min) 50 mcg/mL infusion (mcg/kg/min)
Remifentanil(mcg/kg/min) 100 mcg/mL infusion (mcg/kg/min)
Metaraminol 0.5 mg/mL continuous infusion (mL/hr)
Atracurium (mg)
Rocuronium (mg)
Dexamethasone (mg)
Ondansetron (mg)
Paracetamol (g)
Gentamicin (mg)
Flucloxacillin injection (g)
Co-amoxiclav injection (g)
Vancomycin infusion (g)
Lidocaine 1 % (mL)
Magnesium infusion (g)
Clonidine (mcg)
Ketamine (mg)
Hartmann's (mL)
Mannitol 10% (mL)
Hypertonic saline 5% (mL)
tranexamic acid (g)
Tranexamic acid infusion (g)

Quick Event Sequence
Equipment Check
Anaesthesia Start
Start Data Collection
Induction
Intubation/LMA
Anaesthesia Ready
Procedure start

Courtesy Dr G Couch

USEFUL CONTACTS

- **Induction App** - **Induction (induction-app.com)**
  - Editable telephone directory for Addenbrooke's
  - Android/IOS versions available

- **Addenbrooke's Switchboard**
  - 01223 245151

Courtesy Dr L Harvey