Quick User's guide
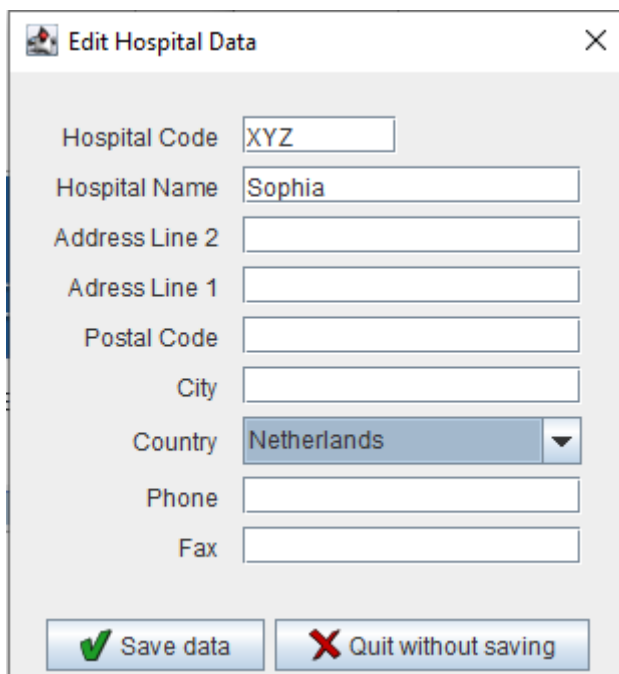
January 2022

1. Allow windows to run the database. Antivirus programs like AVG may need to check the files, take your time, prepare a coffee...
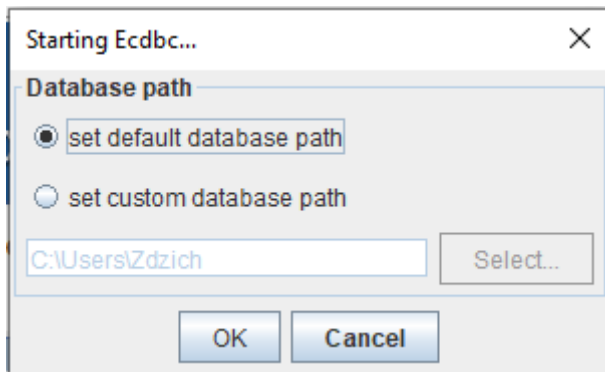
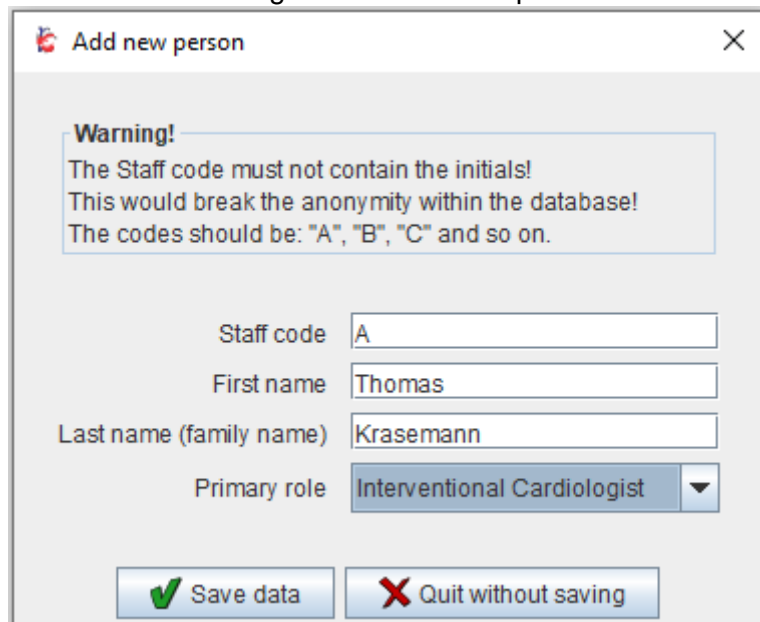2. Use the "default" settings. The database will launch.

3. Put in a 3-letter hospital code in CAPITALS which you received in mail after registration on the website, (once the database is fully live, this will be provided by the team) and the details. Click "save" and close this window.

4. Go to data-preferences: Set preferences: Default operation type: interventional cardiology. Date format (YYYY-mm-dd or dd-mm-yyyy)., and click the default under "confirmations".
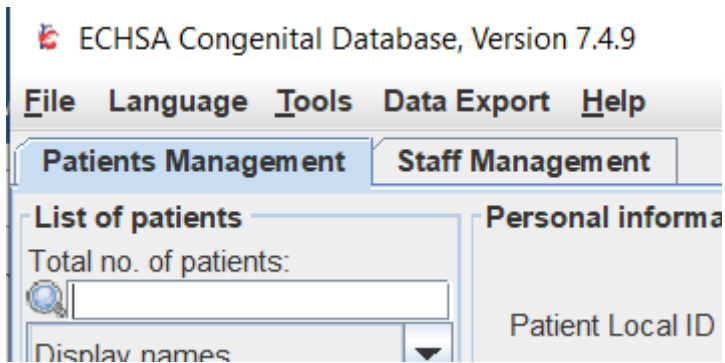
ECHSA Congenital Database, Version 7.4.9
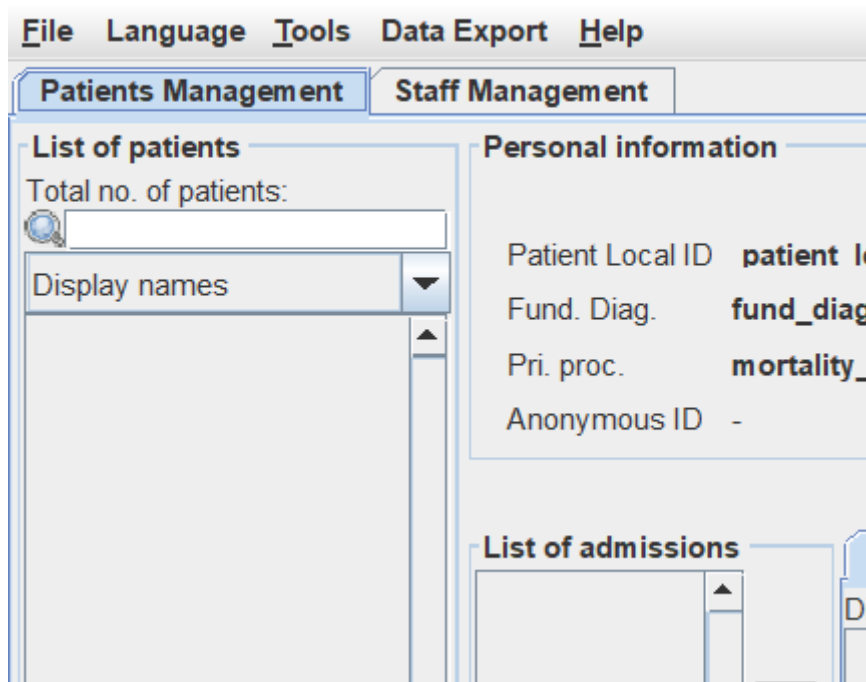
5. Select your language or leave English.

6. Under "help" you can find an online manual, but I thought to provide you with a very short introduction here.

7. Go to "staff management". Add new person: Enter all interventionalists.

Add new person

Warning!
The Staff code must not contain the initials!
This would break the anonymity within the database!
The codes should be: "A", "B", "C" and so on.

Staff code   A
First name   Thomas
Last name (family name)   Krasemann
Primary role   Interventional Cardiologist

✔ Save data   ✘ Quit without saving

8. Go to patient management- and now it seriously begins...

ECHSA Congenital Database, Version 7.4.9

File   Language   Tools   Data Export   Help

Patients Management   Staff Management

List of patients   Personal informa
Total no. of patients:

                                               Patient Local ID
Display names

Please use the following order to enter patient data (reasons are explained on the run)
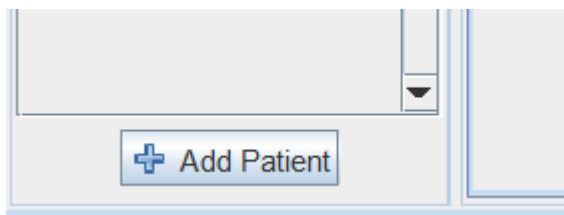
+ Add Patient

1. Click "add patient".

Enter First and second name, dob, hospital number, gender and the place of birth (the latter is important to identify patients even if they changed 2nd names, moved to another center etc.). This data will be transformed into a code which is later transferred to the server- no

patient identifiable data will be transferred. Save data.

Add Patient   ✕

First Name	Tessa
Last Name	Test
Patient Local ID	876543
Gender	Female ▼
Date of birth	02-02-2014
Place of birth	Timbuktu
Antenatal Diagnosis	☐
Outcome assigned to	▼
Gestational Age (weeks)	37
Date of Last Follow-Up	- -
Last Follow-Up NYHA Classification	▼
Post Rheumatic Heart Disease	☐
Date of death	- -

data version 2019

✔ Save data   ✕ Quit without saving

2. Add diagnosis using the "+" button. You can either search alphabetically or using one of the diagnosis groups and then the dropdown. It is important to add all diagnoses, as interventions are linked to the diagnosis. I.e. you are not able to enter closure of a duct if the diagnosis is ASD. These diagnosis groups are not completely logic (based on surgical grouping)- hence ignore and search the list, if you prefer. Add all diagnoses the child has (i.e. ASD and VSD and PDA).

Add diagnosis   ✕

Tessa Test

Female Birth 02-02-2014

Diagnosis group

Thoracic Arteries and Veins ▾

Diagnosis name

Pulmonary AV fistula
MAPCA(s) (major aortopulmonary collateral[s]) (without PA-VSD)
Aortic aneurysm (including pseudoaneurysm)
Aortic arch hypoplasia
Aortic dissection
Coarctation of aorta
Interrupted aortic arch
Interrupted aortic arch + AP window (aortopulmonary window)
Interrupted aortic arch + VSD
Patent ductus arteriosus
VSD + Aortic arch hypoplasia
VSD + Coarctation of aorta

Description

Patent ductus arteriosus

Indicate if the patient has the diagnosis of "Patent ductus arteriosus". The ductus arteriosus (arterial duct) is an essential feature of fetal circulation, connecting the main pulmonary trunk with the descending aorta, distal to the origin of the left subclavian artery. In most patients it is on the left side. If a right aortic arch is present, it may be on the right or the left; very rarely it is bilateral. When luminal patency of the duct persists

data version: 2019

✔ Save data   ✗ Quit without saving

3. Click on the "+" a the list of admissions field (no intervention can be carried out without an admission). Enter admission date.

4. Click "+" at the list of interventions.

A new window opens. Fill in date of intervention (needs to be within the admission period). Success yes or no. Success is defined as having achieved the goals set (in case of a diagnostic cath all data acquired as planned). Treatment performed by opens a dropdown of the staff entered previously. Two operators are standard. Fill in demographic data. Fill in fluoroscopy data (not mandatory, but important for later reports). Click access sites. Complications yes or no. If you know the 30 and 90 days status, please fill in. (This can be done later and you will be reminded to fill in after this timeframe automatically when opening

the database again). Save data.

5. Click once on the intervention you just prepared. It will highlight.
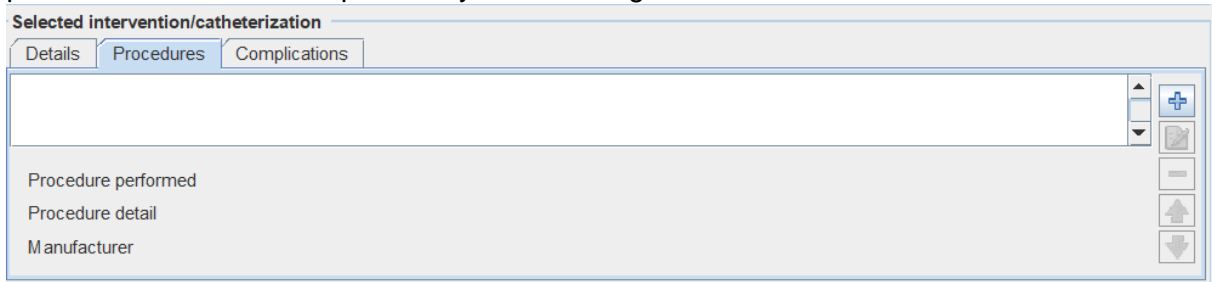
Now click on the register "procedures" and then on "+". Now you are able to add specific

procedures related to the previously entered diagnosis.
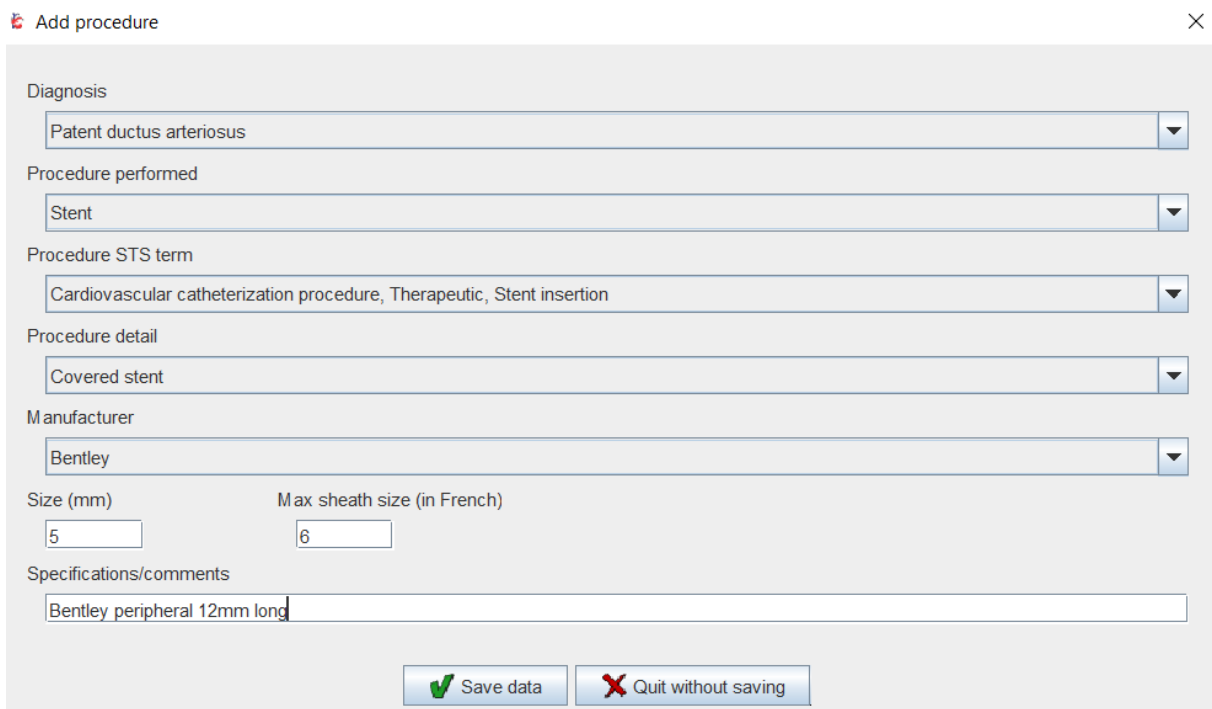

First choose the diagnosis from the dropdown. Then choose the intervention carried out. Please also choose the STS code - this is for comparison with other databases at a later stage. Not mandatory, but useful. There might not be an adequate STS code for every procedure- leave blank if uncertain.

Procedure detail allows to i.e. choose the device type. Manufacturer opens a dropdown of manufacturers.

Enter device size (would be diameter for a stent or device with a waist, otherwise as described by the manufacturer).

Device specification can either be the serial number or some specifics regarding position- this is free text.

Save data. The window closes.

Most of the above is not mandatory, but the more you put in, the more you might get out of it.

If you carried out more than one intervention (i.e. VSD closure and PDA closure) add another procedure by using the "+" and enter the data accordingly.

After you closed the window, you're back to the previous screen.

If you had complications, click on the register and use the "+" to enter.

there is a dropdown menu with complication groups. I recommend using it.

Add complication

Tessa Test
Female Birth 02-02-2014

Filter: Interventional Cardiology

Complication group

Arrhythmias

Complication name

Arrhythmia, Atrial, Atrial fibrillation
Arrhythmia, Atrial, Atrial flutter
Arrhythmia, Atrial, Other
Arrhythmia, Heart block
Arrhythmia, Heart block, Acquired
Arrhythmia, Junctional
Arrhythmia, Pacemaker implantation
Arrhythmia, Ventricular

Description

Arrhythmia, Heart block

Treatment

No treatment required

data version: 2019

✔ Save data   ✘ Quit without saving

Go to "data export" and save the data on disk.

Data entry for this procedure is complete.

In case you have entered more than one diagnosis, or have done more than one intervention on the same entity (i.e. ballooning and stenting of a pulmonary artery), please add both procedures.

If a patient has more than one admission with interventions, please start again with adding the admission, then the intervention, then the procedure…

Thomas Krasemann