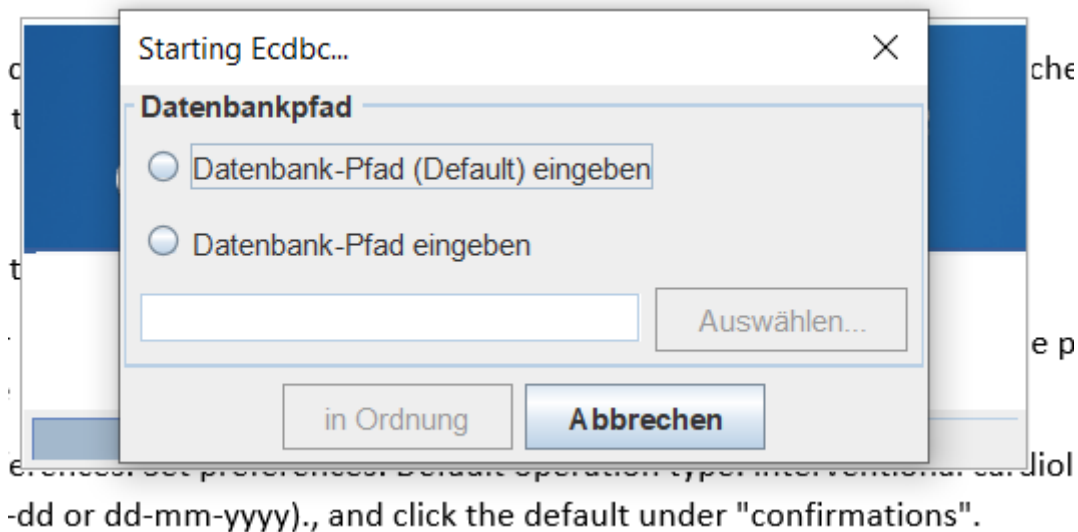


1. Allow windows to run the database. Antivirus programs like AVG may need to check the files, take your time, prepare a coffee...



2. Use the "default" settings. The database will launch.

Krankenhaus-Data bearbeiten

Krankenhauscode

Name des Krankenhauses

2. Anschrift-Regel

Anschrift

Postleitzahl

Ort

Land

Telefonnummer

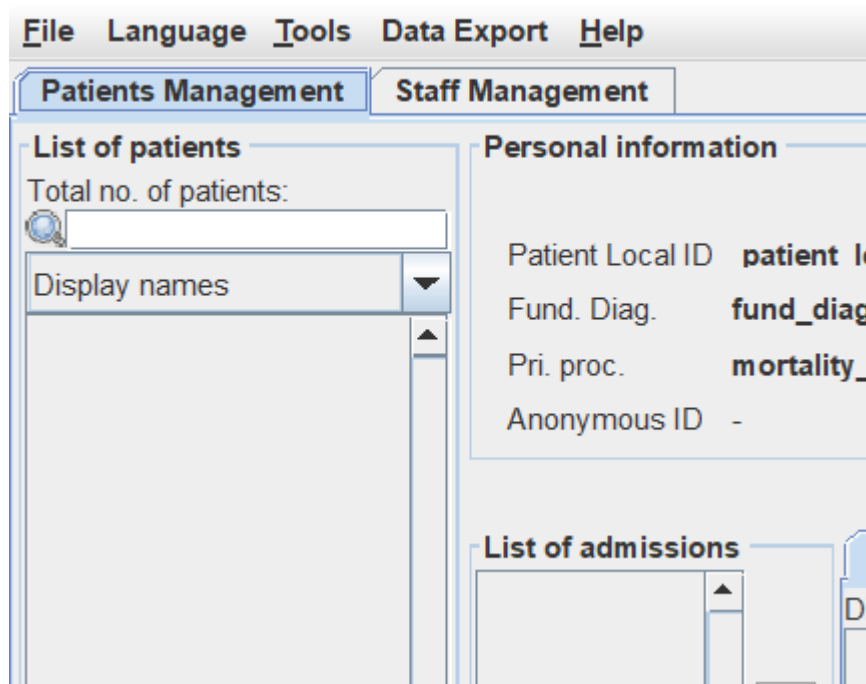
Faxnummer

☒ Data speichern ☐ Verlassen ohne zu Speichern

3. Put in a 3-letter hospital code in CAPITALS, (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".

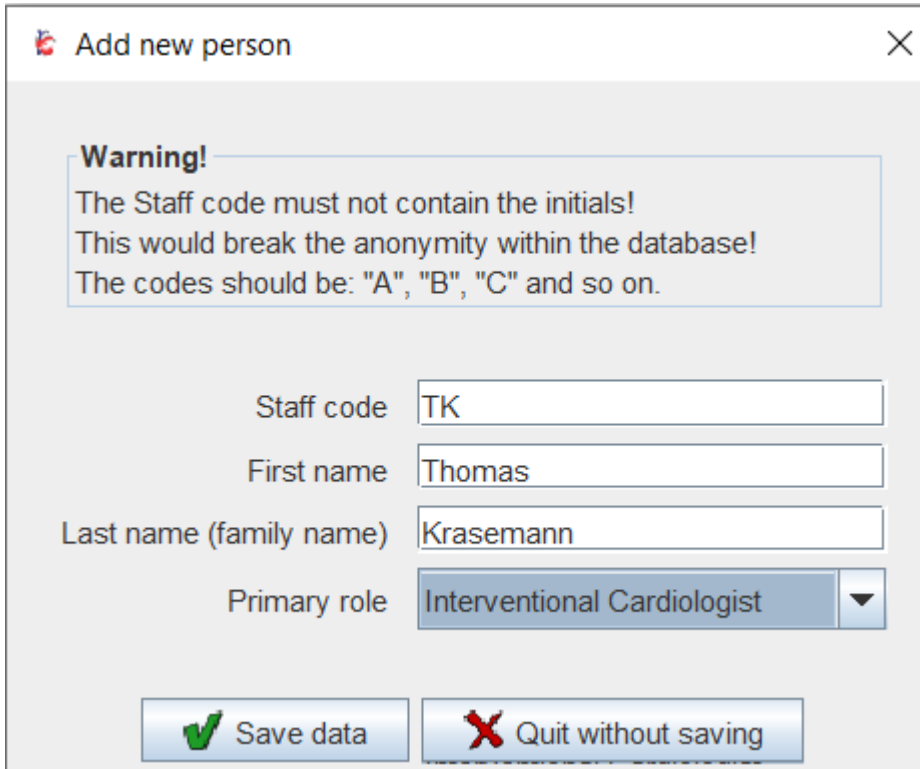
 ECHSA Congenital Database, Version 7.4.9



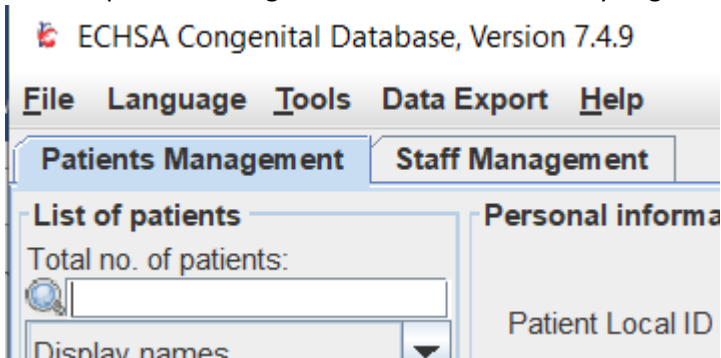
5. Select your language.

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

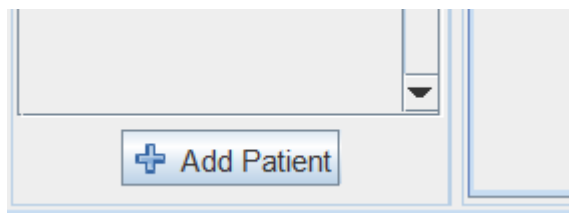
7. Go to "staff management". Add new person: Enter all interventionalists.



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



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



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

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 postnatally, it is referred to as patent ductus arteriosus (patent arterial duct). The length	≡
	▼

data version: 2019



Save data



Quit without saving

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

The screenshot shows a window titled "Add admission" with a close button (X) in the top right corner. The patient's name "Tessa Test" and "Female Birth 02-02-2014" are displayed at the top. Below this, there are three input fields: "Date of admission" with the value "31-01-2021", "Date of discharge" with the value "02-02-2021", and "Discharge Location" with a dropdown menu showing "Home". A section titled "Readmission Within 30 Days Detected" contains a "Readmission Reason" dropdown menu. At the bottom, there are two buttons: "Save data" with a green checkmark icon and "Quit without saving" with a red X icon.

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

The screenshot shows a window titled "List of interventions/catheterizations". It features a large, empty table area for listing interventions. On the right side of the table, there are three buttons: a blue "+" button, a button with a magnifying glass icon, and a button with a minus sign icon. Below the table, there is a label "Selected intervention/catheterization" followed by a text input field.

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.

✚ Add operation

✕

Tessa Test
Female Birth 02-02-2014

Interventional Cardiology

Interventional Cardiology

Yes

Date of intervention01-02-2021

SuccessYes

The treatment performed byKrasemann Thomasvan Beynum Ingrid

Weight (kg)29

Height (cm)134

Fluoroscopy time (min)34

Radiation dosis (cGy*cm2)354

Duration of procedure (skin in – skin out) (min)72

Access sites

☐ arm artery

☒ femoral artery

☐ surgical

☐ arm vein

☒ femoral vein

☐ transhepatic

☐ carotid artery

☐ jugular vein

☐ transthoracic

Emergency procedureNo

Complications related to

Status at 30 days

Status at 90 days

✔ Save data

✖ Quit without saving

5. Click once on the intervention you just prepared. It will highlight.

List of interventions/catheterizations

01-02-2021

Selected intervention/catheterization

Details

Procedures

Complications

Intervention performed by

Krasemann Thomas, van Beynum Ingrid

Date of intervention

01-02-2021

Fluoroscopy time (min)

34

Radiation dosis

354

Duration of procedure (min)

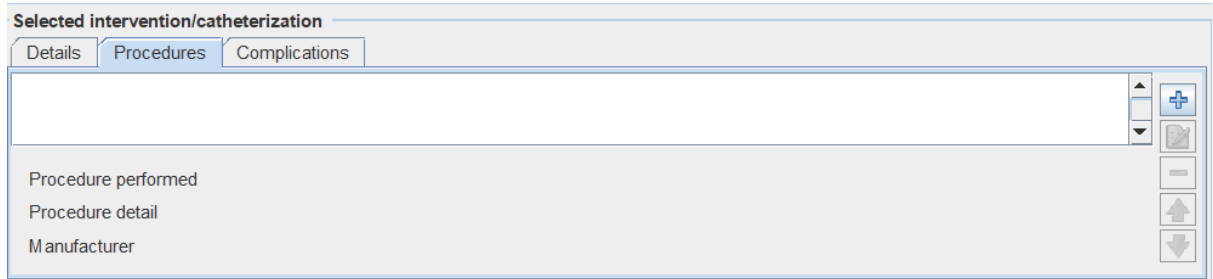
72

Emergency proc

No

Now click on the register "procedures" and then on "+". Now you are able to add specific procedures

related to the previously entered diagnosis.

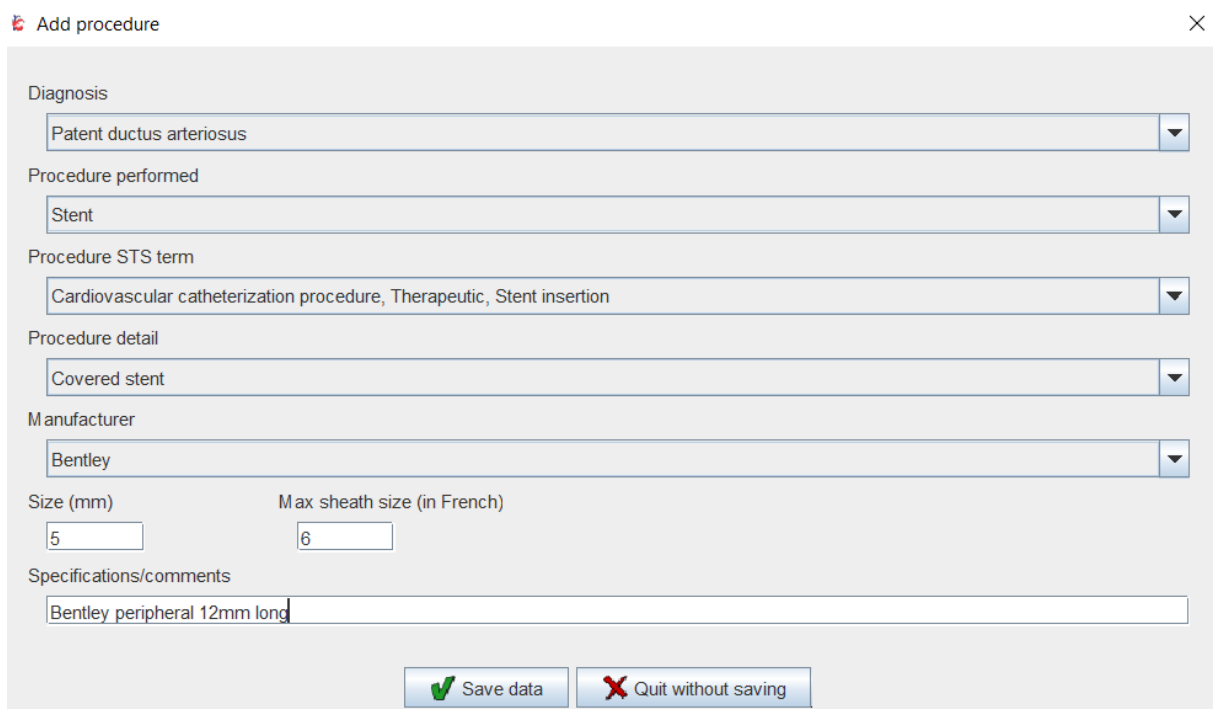


First choose the diagnosis from the dropdown. Then choose the intervention carried out. Please also choose the STS code - this is for comparison with other databases at a later stage. Not mandatory, but useful. There might not be an adequate STS code for every procedure- leave blank if uncertain.

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.

Selected intervention/catheterization

Details Procedures **Complications**

▲

+

▼

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.

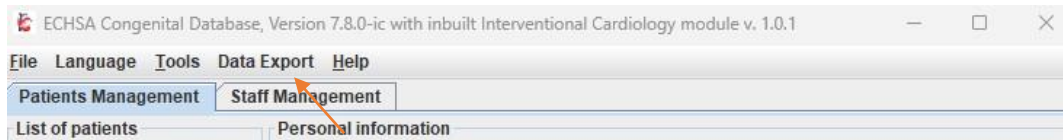
In case you have entered more than one diagnosis, or have done more than one intervention on the same entity (i.e. ballooning and stenting of a pulmonary artery), please add both procedures.

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

Data upload to the AEPC part of the ECHSA Congenital Database

Open the database

Choose “data export”

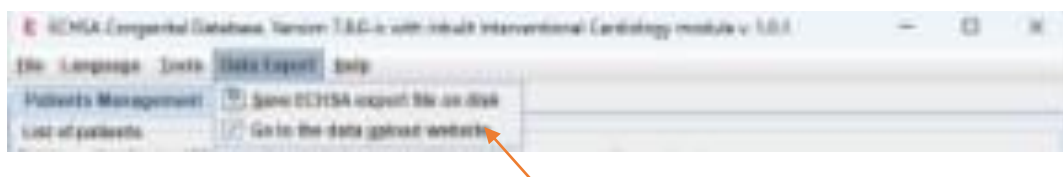


Click on “Save ECHSA export file on disk”



Save the file i.e. to your desktop or any other location. If necessary, check with your data protection officer if she/he is happy with the anonymization.

Click on “Data export” and choose “Go to the data upload website”.



You will be directed to the website, and login is required.



DATA EXPORT UPLOAD

LOGIN REQUIRED

Please login using your hospital code, username and password, then choose "Data Upload" from menu.

Login with your hospital code, username and password.

Go to the data upload page;



Dear Members of the AEPC, dear colleagues, dear friends,



Choose the file you have saved earlier, and click on upload.

Filter is off
» Show filter options

ECHSA CONGENITAL DATABASE

Choose from 10 languages

EUROPEAN CONGENITAL
HEART SURGEONS ASSOCIATION



CONGENITAL DATABASE PARTNER
ASSOCIATION FOR EUROPEAN PAEDIATRIC
AND CONGENITAL CARDIOLOGY

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DATA EXPORT UPLOAD SUCCESS

