eFertility

eBase v8 Manual validations and locking

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1. Introduction

In the LSFD, it is possible to have important process steps validated through initials and/or pin codes. This makes it possible to ensure traceability. Furthermore, it is possible to record validations. This ensures the reliability of the data and makes data analyses possible.

2. Signatures

Initials and pin codes can be set by the administrator at the user management option, from the administration menu see **'User management manual'**. Signatures can be set according to **'Manual Signature module'**. Signatures can be set by opening the admin menu from the navigation menu.

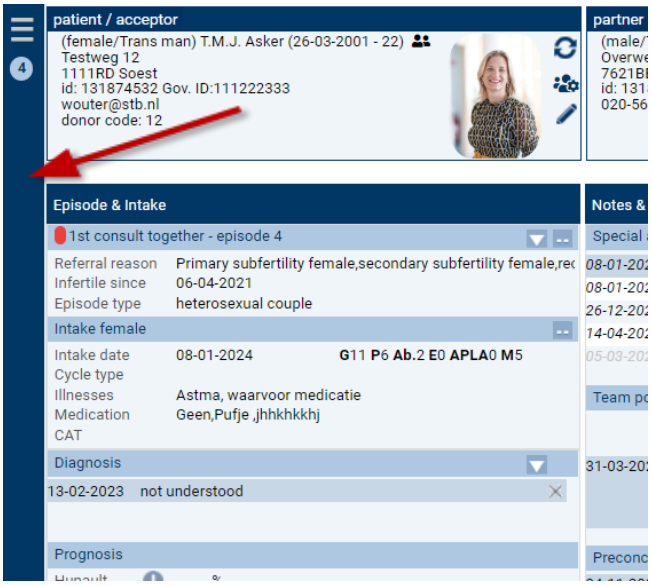

Figure 1: opening navigation menu.

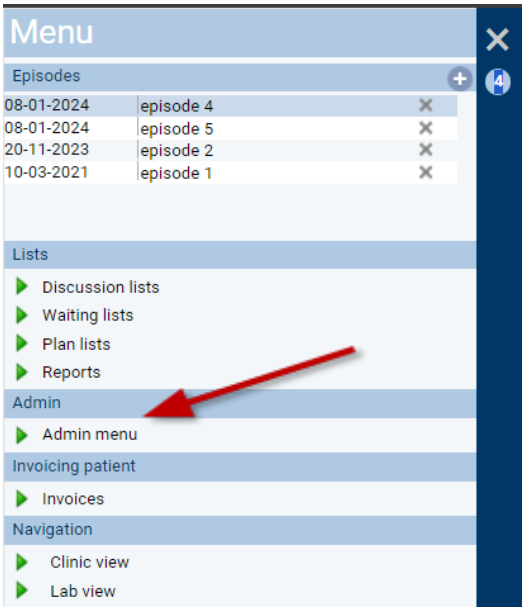

Figure 2: Opening admin menu.

Open the validation and locking folder.

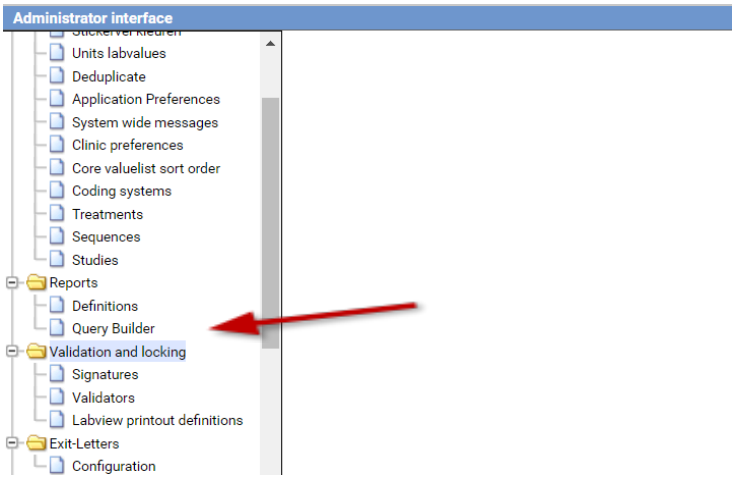

Figure 3: opening folder validation and locking.

Clicking on the signatures folder will open the screen below.

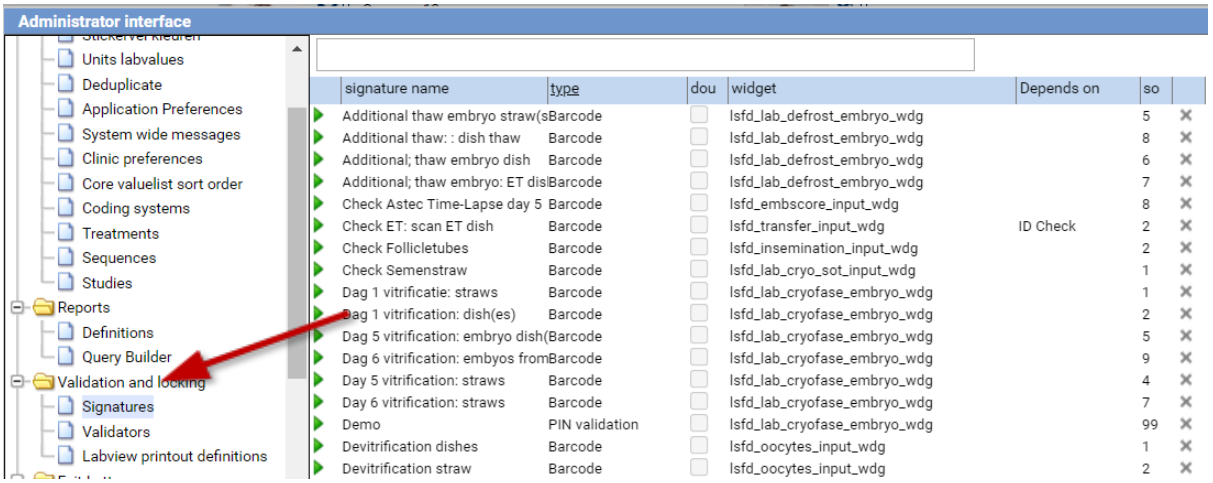

Figure 4: setting Signatures.

This is where the various signatures are recorded. By clicking on 'new' a new signature can be created.

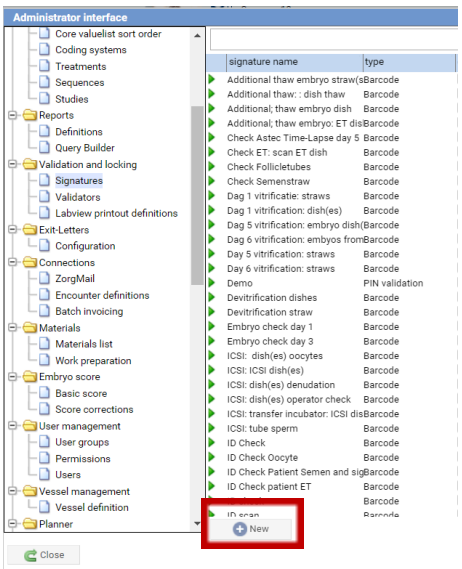

Figure 5: Create new signature screen.

After clicking new the 'Define signature' screen appears.

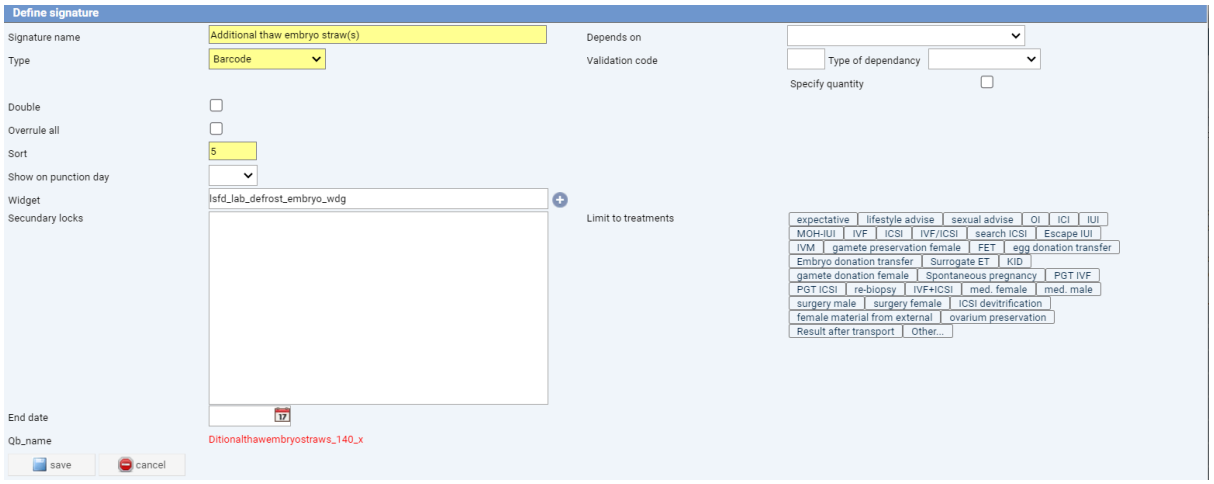

Figure 6: Creating new signatures.

For clarity, the following is an explanation of the fields to be entered.

Entry	Description
Signature name	Provide a unique name for the signature here.
Type	Indicate the desired option here. The options are: ▪ *PIN validation*: user must enter PIN. ▪ *PIN validation and lock*: this locks the input screen in the file. By using a PIN, the source can be traced. Even by a person other than the user himself. ▪ *Barcode*: this initial is used with the eWitness module. ▪ *Patient*: the patient's signature is recorded here; see **Manual Signature module.** ▪ *Lock only*: Same as PIN and lock. Only here the source cannot be traced.
Double	This indicates whether two employees must validate.
Depending on	Specifies whether the signature can be validated depending on whether another signature is validated before. The signatures do not have to be on the same screen.
Overrule all	If checked, a complete validation eye is automatically placed.
Table	No input required.
Widget	This specifies where in the system the signature should be placed.
Sort	Determines the order in the dropdown menu.
Secundary locks	Here you can specify which screens should be additionally locked. If this field is empty then the initialization applies only to this one screen.
Limit to treatments	Here you can select the type of treatment for which this signature is intended; when it's chosen, the signature will only appear for that specific type of treatment.
End date	The validity period of an signature is defined here.
Qb_name	This field is generated by the eBase and is needed for data analysis.

Table 1: entry fields for new signatures.

3. Validators

Validators are included in the system to promote data consistency. They are standalone 'rules' incorporated into the application's workflow when opening a screen, saving data, and/or at a custom location. eFertility provides several validators as part of the standard package. Open the 'validation and locking' folder (as shown in images 1 and 2) and the following screen becomes visible. These validators offer an additional option, such as preventing the embryo transfer screen from being accessed without prior treatment, to prevent premature data input.

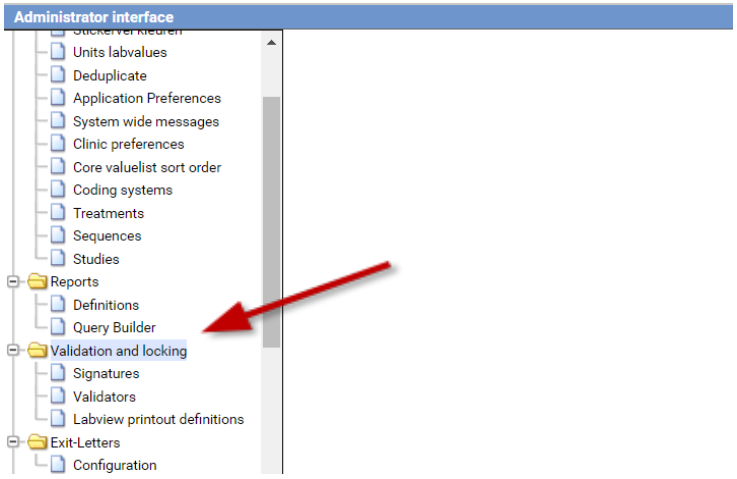

Figure 7: opening folder validation and locking.

Clicking on the 'validators' folder opens the following screen.

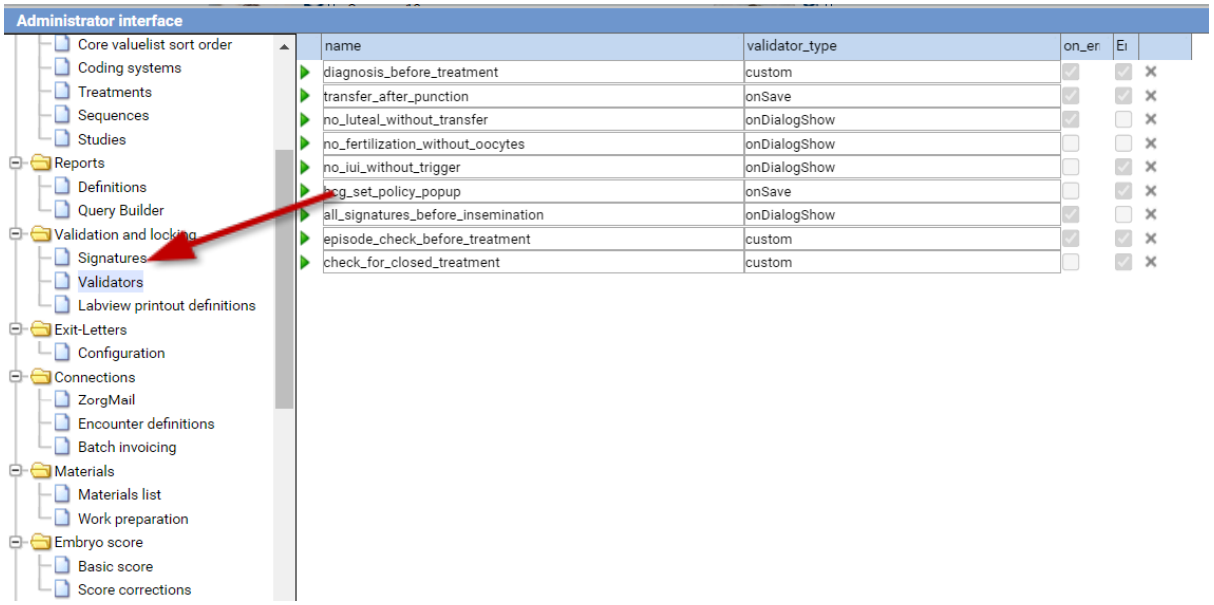

Figure 8: Setting up validations.

Here the differences validations are defined. By clicking on 'new' a new validation can be created. A new line will then appear in the overview list. Click on the green arrow to open the new validation.

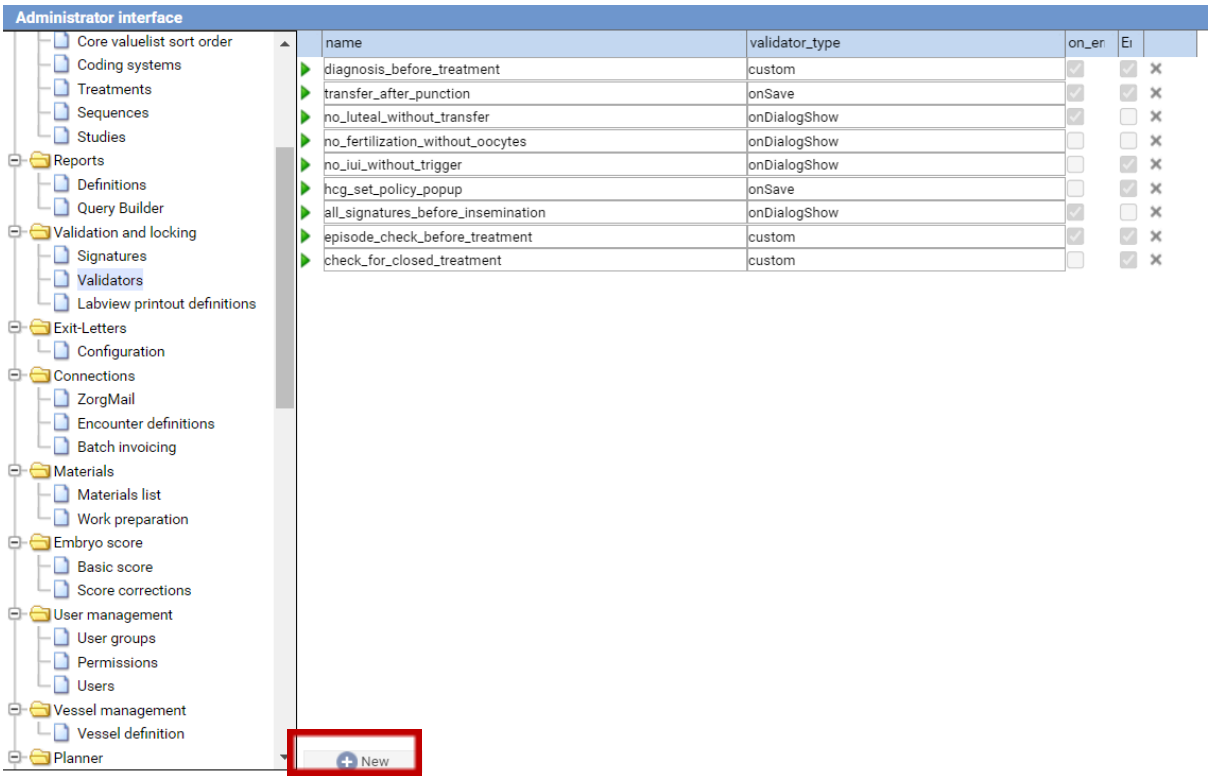

Figure 9: Creating new validator.

3.1 Defining new validator

The definition of a validator can now be defined by clicking on the green arrow.

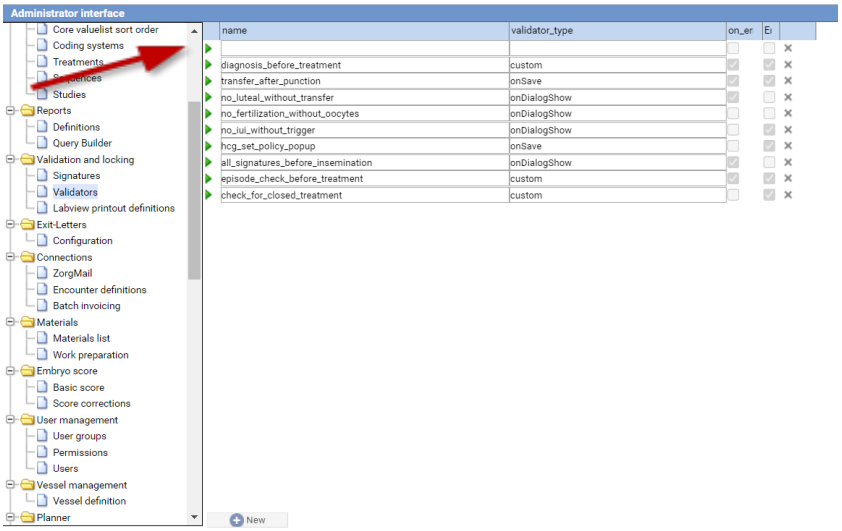

Figure 10: opening a new validator.

In the next screen, the new validation can be defined.

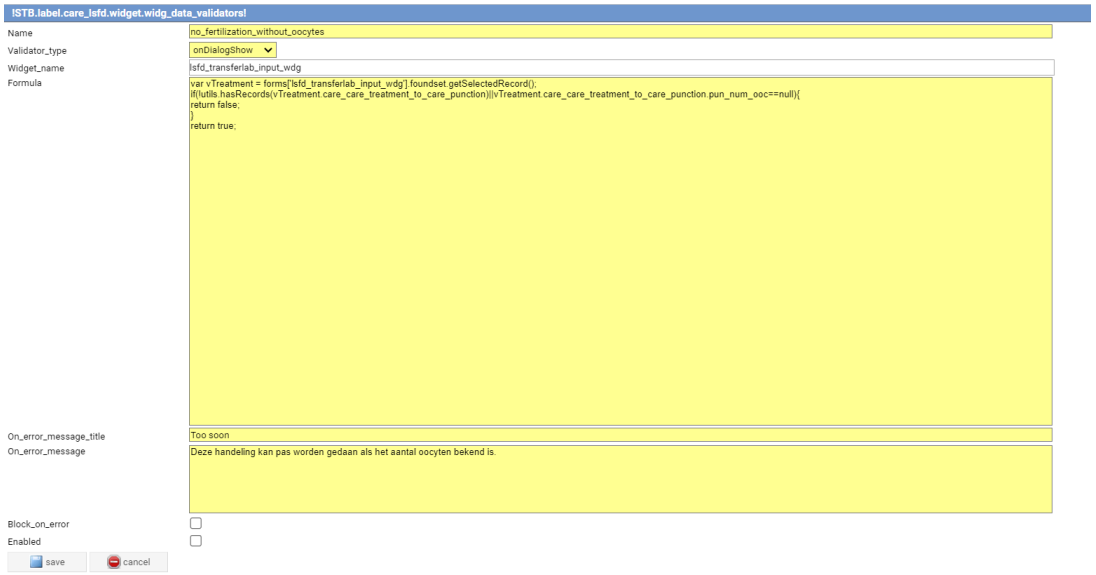

Figure 11: Define new validator.

3.1.1 Name

Give an unambiguous name to the validation.

3.1.2 Validator type

This defines when the validation should be performed.

Type	Explanation
OnDialogShow	When opening a dialog.
OnSave	When saving a change.
OnAction	In an action inside with eBase, for example, a button press.
OnDataChanged	When entering a change.
Custom	This allows for validation outside the usual widgets. This option must be implemented by eFertility.

Table 2: validator type.

3.1.3 Widget name

Here it is defined at which file item the validation is to be performed. The administrator is familiar with the names of the various widget options.

3.1.4 Formula

Here the validation is described. Below is an example of a validation: no fertilization can be entered, without a number of oocytes entered at puncture.

```
START
var vTreatment = forms['lsfd_transferlab_input_wdg'].foundset.getSelectedRecord();
if(!utils.hasRecords(vTreatment.care_care_treatment_to_care_punction)||vTreatment.care_care_treatment_to_care_punction.pun_num_ooc==null){
return false;
}
return true;
```

END

3.1.5 On_error_message_title
This is where the title of the pop-up message is defined.

3.1.6 On_error_message
This is where the content of the pop-up message is defined.

3.1.7 Block_on_error
This specifies whether to stop after an incorrect entry.

3.1.8 Enabled
This specifies whether validation should be performed.