Data import

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PACS Querier

Starting the PACS Query Tool

To start the PACS query tool click on the wrench symbol in the upper left corner. Then click on PACS Query.

starting_pacs_query.png
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Overview of the Query Tool GUI

query_gui.png
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In this window users can search for patients in the pacs.
1. Enter the data of the patient, the patient ID tag can be left empty, in the study date there must at least be a star if the right date is not known. For the PatientName it is important that the lastname is seperated by a ^ from the first name. Depending on your PACS system it might be necessary to always use the full name and appreviations are not accepted.
2. Start the search by hitting the Enter key or clicking on Run Search in the left menu.

Patient Search in the Query Tool

query_search.png
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1. On the left side you can see the different Patients with the Names, etc you searched for and the different visits/examinations
That were done for them.
2. Here the different procedures and sequences are listed that you can import into Nora. If the Sequence was acquired for more than one patient or examination there
Is then a number higher than 1 in the Tab inStudies.

Highlighing of Examinations for a Patient

query_patient_highlight.png
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1. To highlight which examinations belong to which patient click on the patient in the left table.
2. Then the examinations which were made during the selected visit of the patient are marked in the right table.

Selection of the patients

selection_patients_query.png
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1. First select the examinations you want to import by clicking on the box on the left.
2. In the left table the amount of examinations you selected on the right is showing to which patient they belong, you now have to select the patient by checking the box.
3. To start the import into nora click on the button „pull selected“.

View of the imported Data

view_query_import.png
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1. Now you can see you imported patient with his examinations.
2. If you click on the symbol the pseudonomyization is deactivated and the real name of the patient is shown. So do not wonder If the name that is initially displate is not the right name.

Manual import

Upload as dicoms

Compress your dicoms into a zip-archive and upload the zip to NORA from here:

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The dicoms are converted with the project specific policies to NIFTIs and imported into the project according to the meta data contained in the data (patient ID, study ID etc.). The import happens on NORA's computing servers.

Import from the server backend (from BASH console) is equivalently possible via

```
nora -p y YOUR_TARGET_PROJECT --import location_of_folder_or_zip
```

Upload NIFTIs etc.

Any file which is accepted by the viewer and registered by NORA as a proper file can be uploaded into a selected subject. Use drag&drop from your local filesystem to NORA's desktop (1), then select a subject/study as target for upload and upload the data (2). The, just use the menu or the upload buttons to upload the files (3). You can also decide for zipped upload. If the dropped data also contain meta information (like DICOMs are Bruker imaging data), you can also use this information during upload for the subject/study assignment: just use "Upload local files with native PID" for uploading the files. If the corresponding subject is not existing in the project, the study is automatically created.

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Create Project From Existing Data

Dicom import via HTTP POST

You can upload dicoms from command line via a REST API. For example, use wget/curl (linux) or iwr (Windows). Here is example using curl

```
curl "https://nora.ukl.uni-freiburg.de/godzilla/index.php?project=WHATEVER"\
     -F 'call={"cmd":"import","user":"donaldduck","token":"@CRYPT@yourtoken"}'\
     -F 'thefile=@/a/path/to/a/zipped/dicomfolder/data.zip;type=application/zip'
```

The data is uploaded and a job on the cluster is started for conversion to nifti.
It's equivalent to using the web interface (Upload dicoms)