



FORUM from ZEISS
Data cleanup service



ZEISS FORUM

Data cleanup service

Imagine all the patient examinations you performed in the past – even on different instruments – would be combined and available all together in one place? Imagine all your patient data coming from different instruments would be synchronized: All results from the same patient are stored under the same patient ID, demographic data is harmonized and always up-to-date, no duplicates, no redundancy. Can you imagine the savings in efforts and costs?

Once you have chosen to use FORUM® from ZEISS – the comprehensive software solution for data management in ophthalmology – it is important to integrate your existing patient data into this system. This is the only way to benefit from its advantages right from the start: centralized and redundancy-free patient and diagnostic data which are made available to you in high quality at any and every workstation. Up to now, your patient data and test results have been saved in several individual systems and various formats. These data must now be converted into a uniform, standardized DICOM format, and stored in one central place.

To support you in this process, ZEISS offers the data cleanup service – a tried and tested and systematic database reconciliation procedure. Data clean-up is a core component of this process. It ensures that data from various sources is harmonized and linked. This automatically enhances the quality of the data.

Aims of data cleanup

The data cleanup involves the synchronization of data from various systems. In the process, the following goals are pursued:

- Synchronization with ZEISS FORUM and harmonization with Electronic Medical Records (EMR)
- Centralized/combined assessments based on data gathered

- Speed-up of processes in everyday clinical practice by establishing centralized data management
 - Consolidation of multimodal data, such as fundus photos and OCT images
 - Enhanced data quality through data clean-up
- Centralized data saving in the ZEISS FORUM archive

With these workflow optimizations you have more time to care for your patients.

Data cleanup process

The data cleanup is performed in two steps. Firstly, the data of the individual systems must be migrated to ZEISS FORUM. Then, redundancies and ambiguities are eliminated.

The first step involves determining which systems must be taken into account in the consolidation of the existing patient data. All systems must be able to generate DICOM data that can be migrated to FORUM during a bulk export. Non-DICOM data from 3rd party instruments or data carriers cannot be migrated to FORUM and may require an automated conversion procedure. Please contact the professional services team for further information. The relevant data – in a uniform format – is then transferred to ZEISS FORUM step-by-step. All patient and test data is now located in the system, but in some cases, it may still contain redundancies or be incomplete.

During the second step, a data clean-up takes place:

- **Simplification:** the various patient files of one and the same patient are merged – making it easier to identify the patient
- **Consolidation:** the diagnostic data of an individual patient is consolidated

- **Linking:** duplicates are deleted and, as necessary, linked with the patient data of the main EMR program
- **Completion:** incomplete data is completed
- **Correction:** special characters and different language versions are corrected, incorrect patient names can be split into last name and first name components
- **Simplification:** the existing data is displayed on a standardized value list (e.g. uniform titles), to simplify its handling

This procedure is an iterative process which must be run through several times and is carried out in close collaboration with you. The existing data is analyzed comprehensively at the outset, in order to ensure a smooth clean-up. The depth of the data clean-up depends on your personal requirements as well as on technical feasibility. The process of data migration cannot be fully automated. Rather, it often requires manual intervention.

Your advantages

The ZEISS data migration offers you the following benefits:

- **Savings potential:** you do not have to provide special knowledge or resources
- **Planning security:** ZEISS will specify the time and expenses required for the migration in advance
- **Transparency:** the clean-up steps are documented on the basis of individual patient data
- **Functionality:** based on an accurate migration, you may benefit from all ZEISS FORUM functionalities, including all the advantages of centralized data management
- **Optimization:** through the accurate allocation of the data, your individual workflow is optimized, especially if an EMR program is connected to ZEISS FORUM
- **Risk minimization:** all of a patient's test data is taken into consideration – creating an optimal basis for treatment



Our expertise

Our IT experts have comprehensive knowledge and many years of experience in the area of system integration.

We will accompany you and your project right from the start with a high level of commitment. In the process, we will cater to your requests, monitor their fulfillment, and lead you to a successful project completion.

Our offer

Following a detailed briefing discussion, we will generate a fixed price offer for your personal data migration, based on your requirements and requests and the existing infrastructure.

If you have any questions, feel free to get in touch with your local ZEISS contact.



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