



NUONCLOUD™

THE DICOM CLOUD FOR MEDICAL IMAGES & DOCUMENTS

Archive, view and share images, findings and documents (telemedicine)



Share images and documents



Archive images
and documents



Cloud solution for veterinary medical images, findings and documents





Image generation →



Automatic archiving in the cloud →

Authorisation for colleagues or referring physicians to access studies →

Access to images and diagnoses from mobile devices →



Diagnosis by external colleagues / diagnostic centres →




Cloud based telemedicine and archiving

for small and large animal practices,
clinics and universities

Cloud solutions have been tried and tested worldwide. This technology provides access to state of the art software services on a pay per use basis, while simultaneously reducing the need for expensive computing and communications infrastructure in the office.

An ever growing number of companies has chosen to rely on services and storage hosted remotely in the "cloud". Today's high data transmission rates make remotely hosted services ranging from simple image backups to complete collections of servers increasingly attractive. Applications and data stored remotely are accessible wherever a connection to the internet exists.

A daily challenge in veterinary medicine is processing the large volume of images generated by modern equipment. Medical diagnostics greatly benefit from advances in high quality imaging techniques and at the same time is faced with growing data volumes.

 is a software solution designed to make everyday work in both large and small animal practices, equine clinics and universities easier, cheaper and more efficient. **Nuon** archives medical images, findings and documents on its remote access servers using highest security standards. At the same time, **Nuon** is an online platform for sharing these data with colleagues, specialists and staff. The service is scalable, allowing adjustments in storage space as demand grows.



Nuon™ offers two exciting applications:
Nuon™ Archive and **Nuon™ Share**



Nuon™ Archive

Archive and backup solution

Nuon™ Archive transfers and stores image files from direct sources (e.g. digital X-ray, CT, MRI and ultrasound systems) as well as from PACS (Picture Archiving and Communication Systems). **Nuon™ Archive** can be used as a backup solution.

Wherever the internet is accessible, images archived in the cloud can be viewed at maximal resolution and quality (DICOM) via the integrated browser-based **Nuon™ View** program and our acquisition software *dicomPACS®*.



Nuon™ Share

Communication platform and telemedicine solution

At the same time, **Nuon™** is a platform for sharing data with external partners. The application **Nuon™ Share** facilitates exchanging images, documents and medical findings with colleagues and specialists. **Nuon™ Share** can also be used to give patients access to medical reports and images.

Recipients are sent an access link to specific files via email. There is no need to install software locally.



☁ **Secure image and document storage** as well as
easy access for authorised persons

☁ **Efficient workflow** – optimised for veterinary medical applications

☁ Images available in JPEG format and lossless **DICOM** quality

☁ **Comprehensive editing**, measuring and reporting tools

☁ Optimised for **mobile devices**

☁ Straightforward and **intuitive handling**

How does Nuon work?

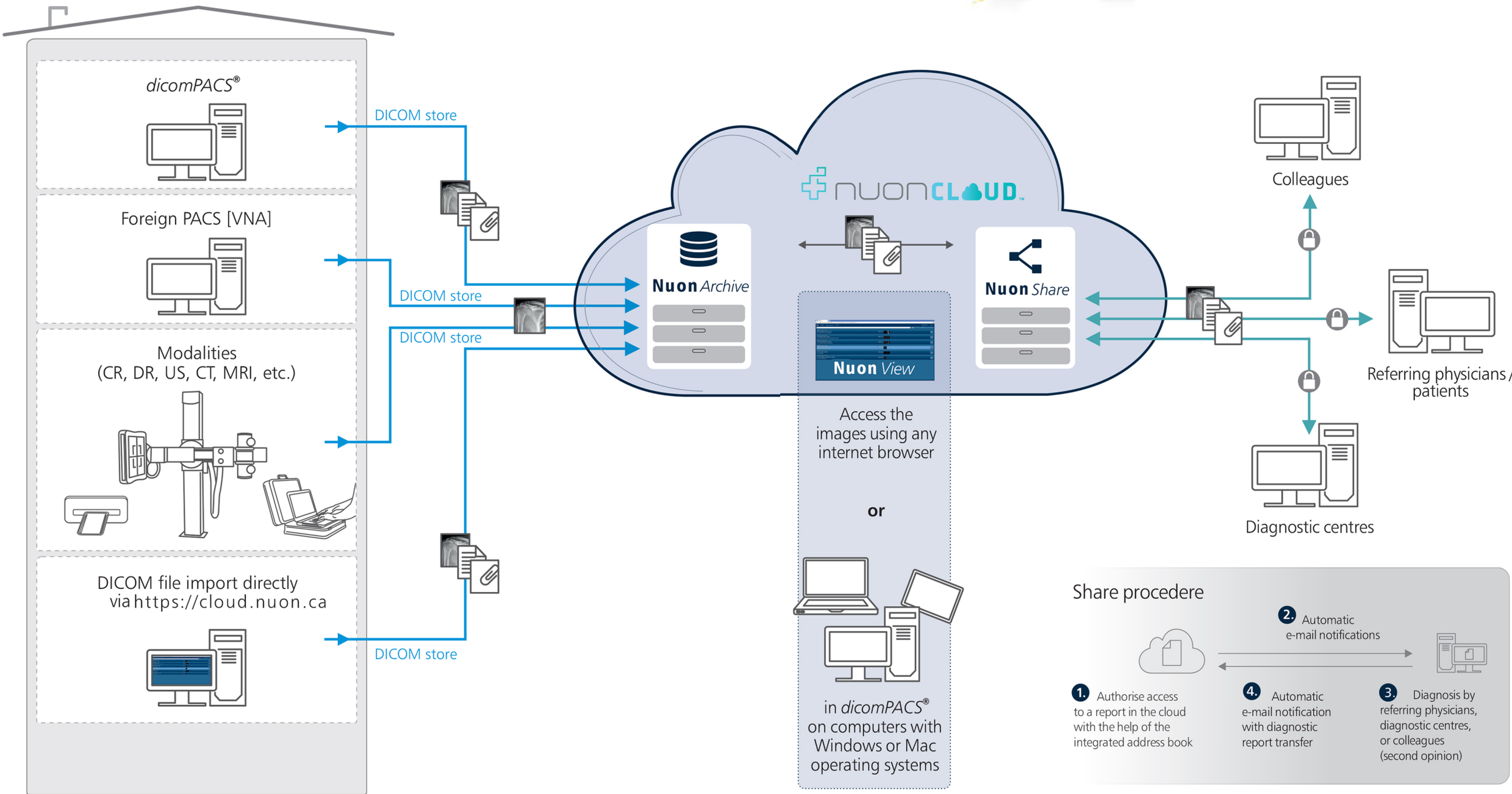
Nuon Cloud Archiving



Upload images / documents

Access images / documents

Share images / documents





Advantages of the DICOM cloud

Intelligent telecommunications solution and archiving of images, documents and medical findings for stationary and mobile applications

Fast access

Register on nuonimaging.ca and begin working with Nuon immediately.

No expensive equipment

Nuon provides access to remote servers and software solutions. There is no need for an office filled with expensive equipment. Billing is usage based (flat rate or pay per use).

Excellent scalability

System memory can be adjusted according to your requirements.

24/7 access

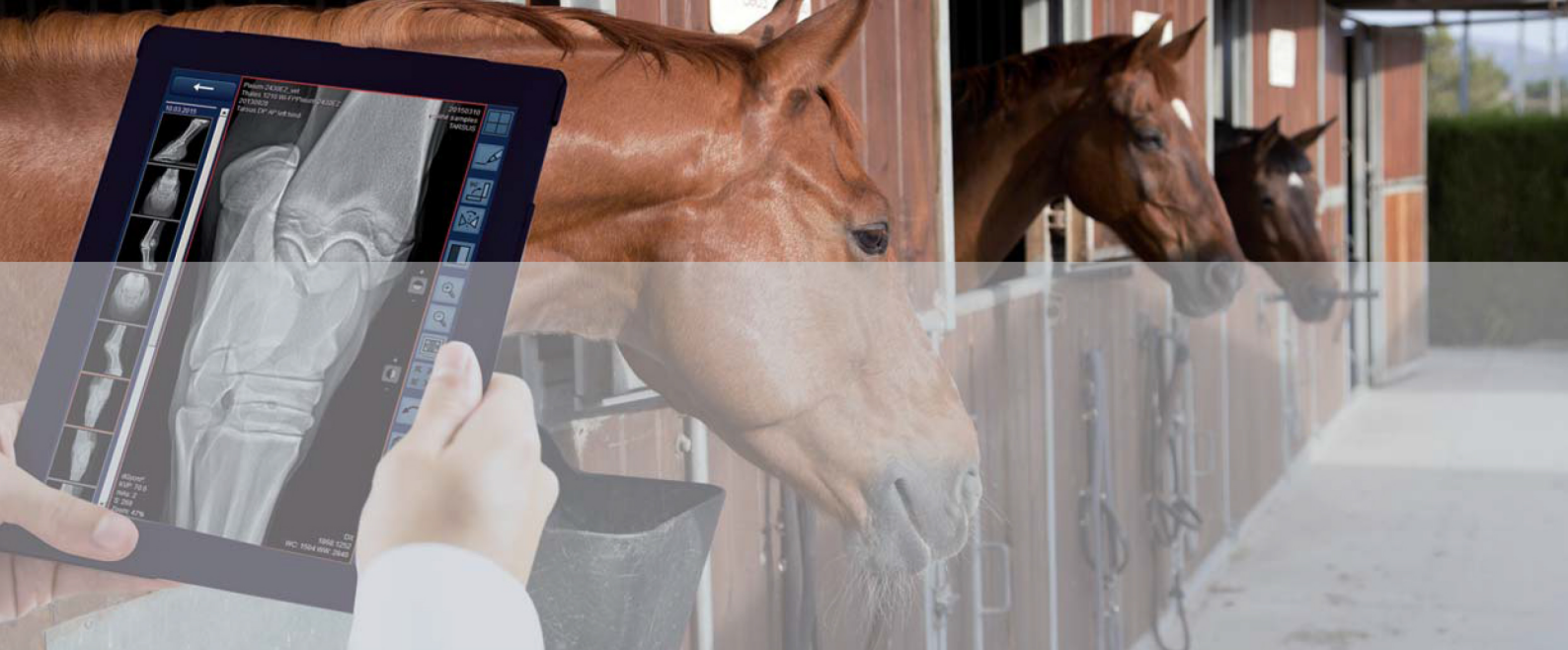
Images and documents are accessible at any time from all mobile and stationary devices with an internet connection.

Straightforward

The user friendly interface is self-explanatory. Support is available online.

No more service contracts

Nuon is automatically updated and serviced without extra charges.



Data security

Nuon guarantees automatic data backups and high security standards. Data loss as a result of malware or hardware failure is a thing of the past.

Accessibility

Excellent accessibility is **Nuon**'s top priority, achieved by redundant hardware platforms.

Fit for the future

Nuon exclusively archives all data in modern German computing centres. The server technology is updated regularly.

Communication

Nuon is also a communication platform. Sharing images and documents with doctors and other authorised persons is a simple task.

Optimal workflow

Nuon's many special functions and settings offer a workflow customised for vets' requirements.

Test **Nuon** for free!



The ingenious vet cloud

A selection of the **Nuon** Cloud's outstanding benefits
for medical applications



Upload and archive images and documents

Import images from any PACS

Images and documents in DICOM format can be sent directly to **Nuon** from any PACS. Alternatively, files can be imported and archived via **Nuon View**.

Archive images directly from the modality

All medical imaging devices (e.g. digital X-ray, CT, MRI and ultrasound units) can send DICOM images directly to **Nuon** for archiving.

Access images - any time, any place

Images can be accessed via the internet using the **NuonView** programme.

Import images into any PACS

Images and documents can be transferred from **Nuon** to local computers and imported into existing PACS.

Direct access via ***dicomPACS[®]vet***

Nuon Cloud's *dicomPACS[®]vet* software accesses the **Nuon** database directly, without needing to download the images first.



Test Nuon for free!



Share images and documents

Sophisticated telemedicine

Images, findings and documents can be shared in different ways:

- directly via the **Nuon** website using an integrated address book
- via our **dicomPACS[®]vet** image management system

Straightforward procedures

Recipients (colleagues, animal owner, experts) receive a secured access link via email. Email templates can be programmed. Image access dates and **Nuon** download permissions can be specified.

Medical findings are collated

New findings are appended to existing entries and related documents. The collated documents form the findings history. These documents can be sealed using a digital signature.

File attachments for clinical studies

Files in any format (e.g., PDF, Excel) can be appended to clinical studies. This allows relevant documents including consent forms, explanations and other information to be found and accessed quickly.



Web based viewer

Nuon View for mobile devices (Android or iPad), PCs, Netbooks

Images can be viewed directly via our **dicomPACS[®]vet** image management system or with the **Nuon View** program.

Nuon View is a cross-platform application for all browsers and mobile devices. **Nuon View** allows vets to access radiological images 24/7, whether they are in equine clinics or small and large animal practices.

Our web based viewer offers all key functions of a professional PACS viewer. In addition to image viewing, the program includes image processing options, comprehensive tools for searching, editing, comparing and exporting, as well as several measurement functions. Custom report templates facilitate writing reports.

Using **Nuon View** requires no local software installation.

Security and data privacy

Nuon guarantees secure and cost effective storage of large data volumes in the cloud (DICOM images, documents, attachments). In keeping with highest security standards, your documents are stored and automatically backed up in your designated **Nuon** archive on servers physically located in **Canada and the United States of America**. Malware and data loss as a result of hardware failure are problems of the past. The service is scalable and can be adjusted to your requirements.



NuonView

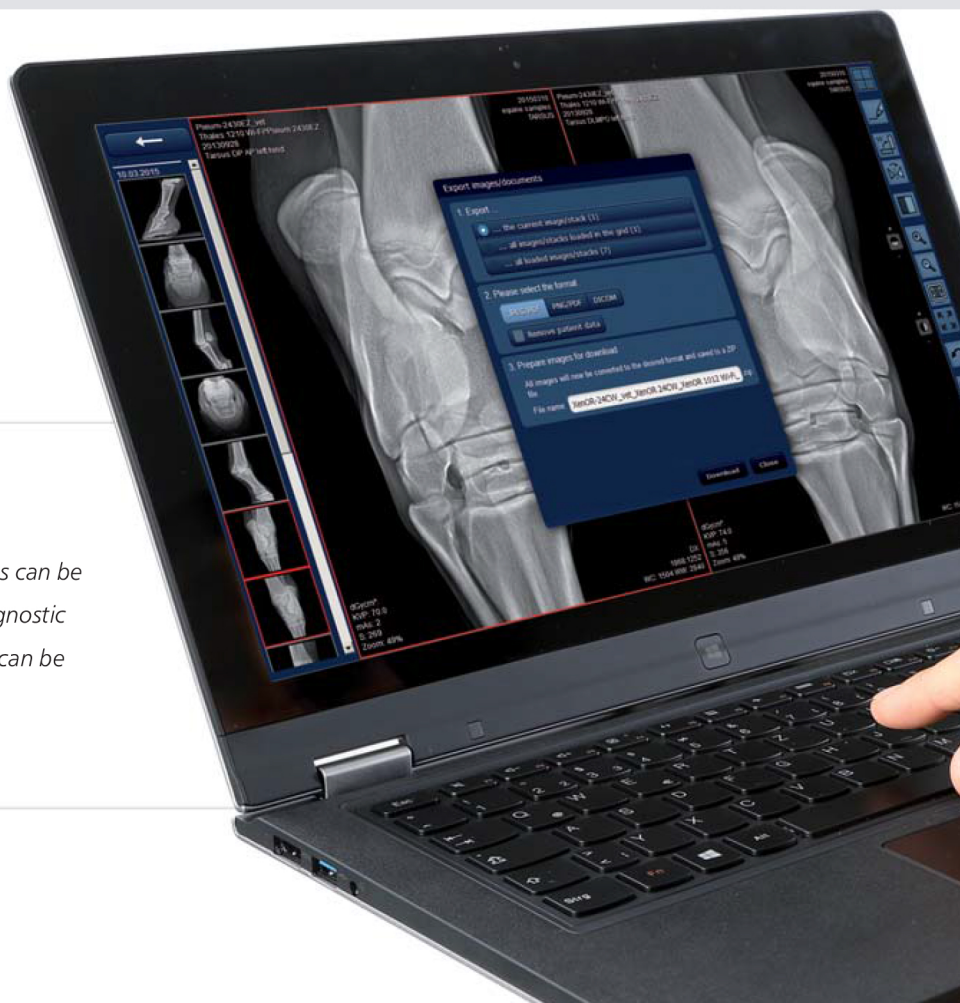
offers all essential functions of a professional PACS viewer

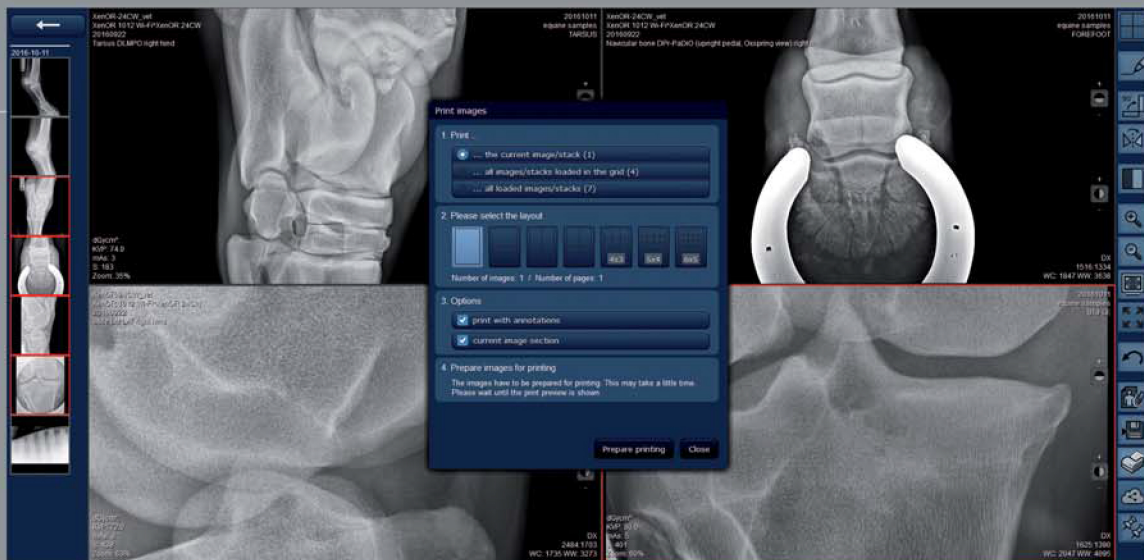
NuonView is a web based image viewer offering file sharing capabilities (email with integrated address book, image anonymisation, etc.), print and export functions, as well as all basic functions for viewing and analysing images:

- Image annotation in various colours (e.g., arrow, text)
- Measurement (e.g., length, angle)
- Findings reports including custom report templates
- File attachment
- Image comparison using different grids
- Image rotation and mirroring
- Brightness and contrast adjustment
- Image inversion, zooming in/out
- Full screen and fit image modes
- Image panning
- Image series scrolling
- Cine loop for multi-frame series and MRI/CT
- Document and image export
- Document and image printing

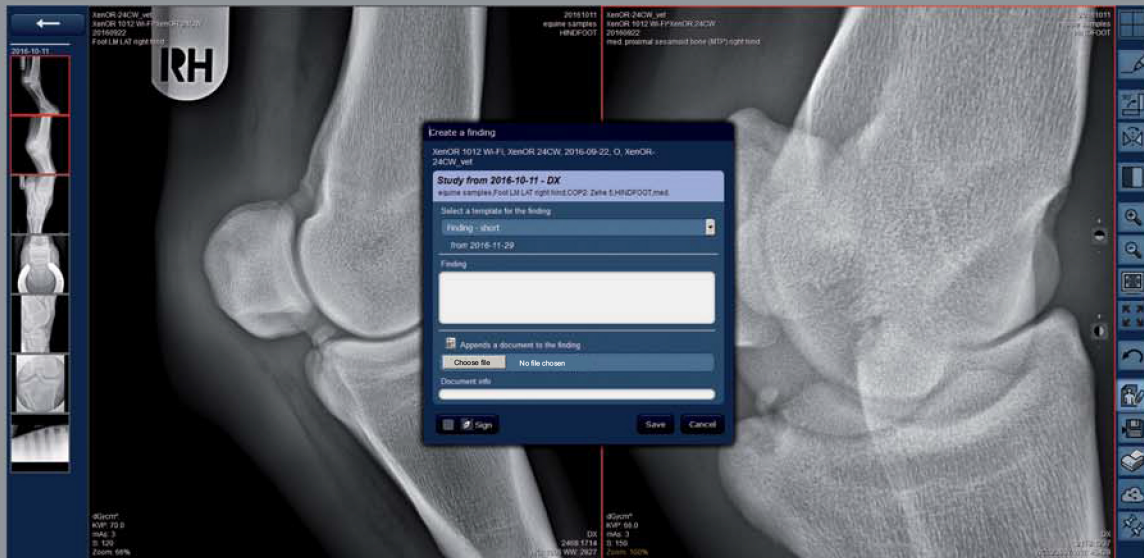
Email template with integrated address book

E-mail templates for notifications concerning new images can be programmed (e.g., for colleagues, referring doctors, diagnostic centres). Image access dates and download permissions can be specified.

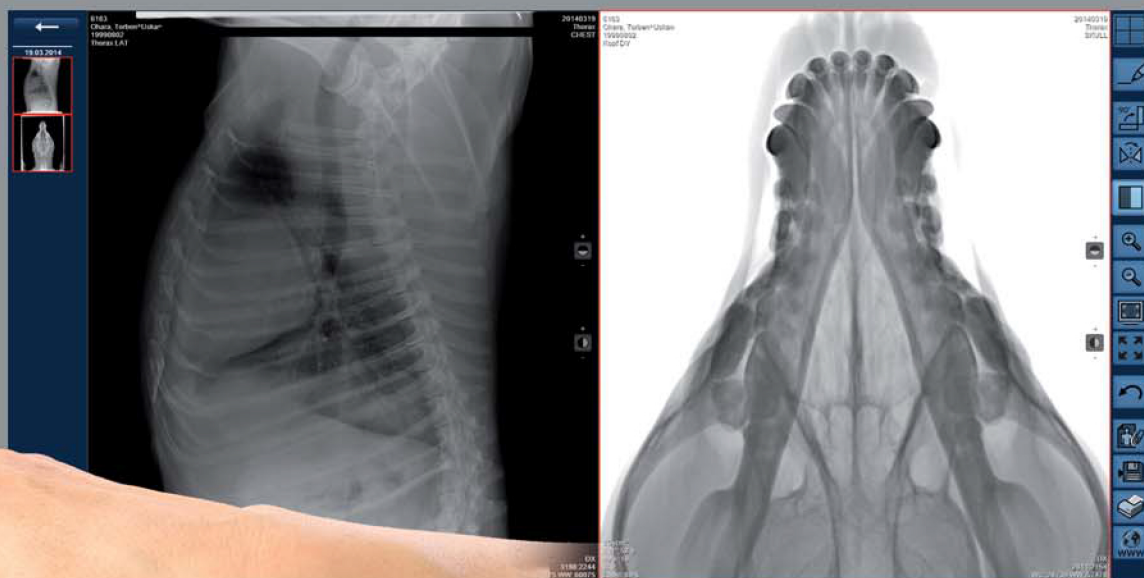




Print images and documents



Medical reports including customisable report templates



Various functions for image processing: image inversion, brightness and contrast adjustment, resizing

