
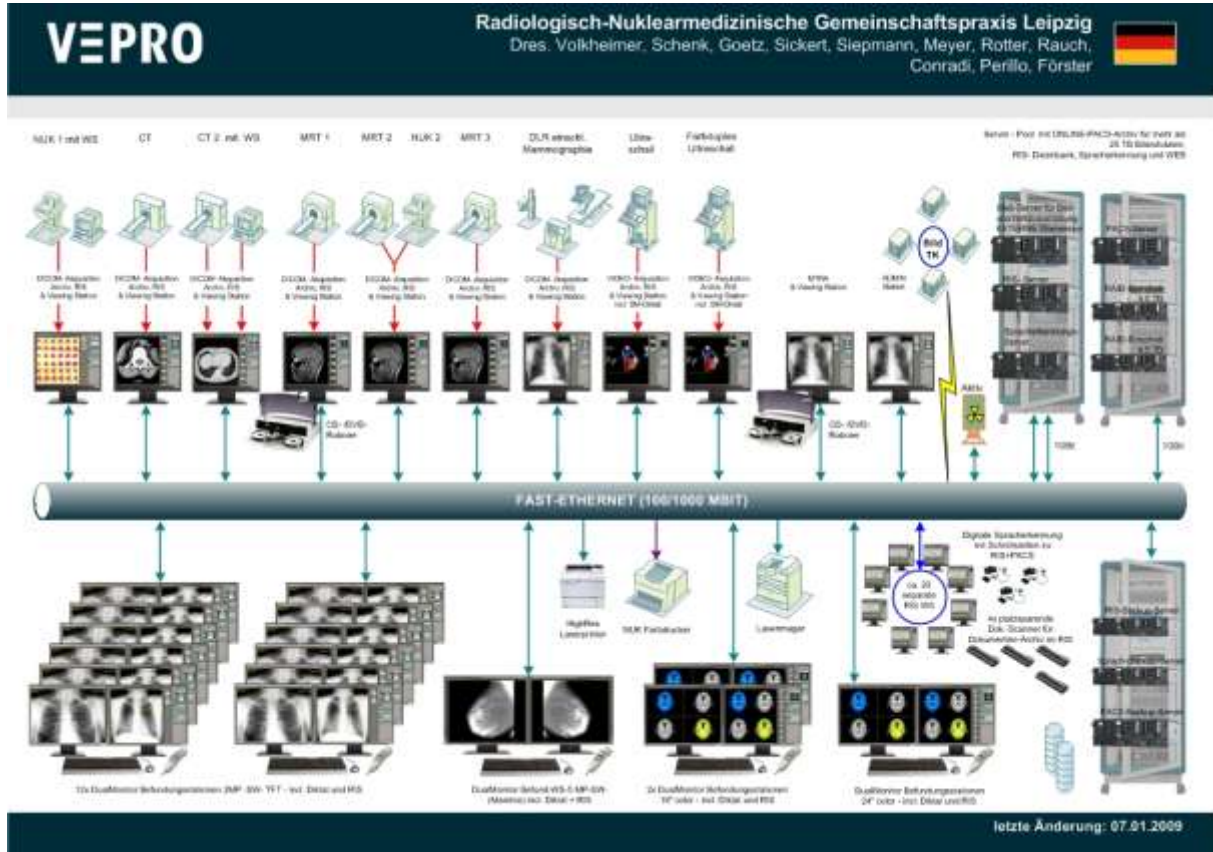


Hospital/Institution Name:	Rad. Nucl. Ambulant Practice Leipzig		
City/Country:	Leipzig	Germany	
Contact Persons (Phone, E-Mail):	Dr. med. C. Volkheimer	+49 (0)341-919 980	
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Consultant (Address, Phone, E-Mail):	Dr. Grassow	+49 (0)2191-9731-76	
		Dr.Grassow@med-integral.de	
Connected Modalities DICOM:	2 x NUC, 2 x CT, 3 x MRT, 1 x DLR		
Connected Modalities ANALOG:	2 x US		
Installation date:	November 2001		
Investment Volume ca.:	600.000€ - 800.000€		
Patients per day:	GB per day:	300	5 GB
Server size:	TB per year:	10 TB	1,3 TB
Number of Diagnosis Stations:	27		
HIS/RIS Integration with Vendor:	Duria RIS		
Telecommunication with:	bi-directional via DSL/VPN with: UNI Leipzig, St. Georg Hospital Leipzig, Heartcenter Leipzig, two other Radiological Practice Leipzig		
Special Applications or Integrations:	<p>Full digital working Imaging Centre</p> <ul style="list-style-type: none"> - PACS - RIS - Speech recognition <p>All Patient data from former RIS (GAP) imported</p> <p>Moving in one step from analog to FULL digital – all Systems operated fully after one week.</p> <p>Stepwise expansion of diagnostic station and memory capacity</p>		





Building Rad. Nucl. Practice



Rad. Nucl. Practice



Reception



Entrance Hall/Reception



Reception



Diagnosis Station: Mr. Birnbaum



Diagnosis Station



Diagnosis Station



MR with Console and VEPRO DICOM Archive Station



Fuji CR System



Opening new practice Nov. 2001



Opening new practice Nov. 2001

Radiologisch-Nuklearmedizinische Gemeinschaftspraxis



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Sprechzeiten:
Montag - Freitag
8 bis 17.30 Uhr
u. nach Vereinbarung

Kernspintomographie
Computertomographie
Nuklearmedizin
Röntgen
Mammographie
Ultraschall
Kinderdiagnostik
Neurodiagnostik
Schmerztherapie

Radiolog.-Nuklearmed. Gemeinschaftspraxis · Johannisplatz 1 · 04103 Leipzig

VEPRO Computersysteme GmbH
Geschäftsführung
Herrn Harald G. Roth
- persönlich -
An der Tuchbleiche 26

64319 Pfungstadt

Ref.: ambulant practice, Leipzig
Subj.: RIS-, PACS-, Voice Recognition System

Testimonial Letter:

Our "Radiology and Nuclearmedicine Imaging Center" in Leipzig – in existence July 1993 - provides all kinds of services. In November 2001 we relocated to our brand new medical facility in Leipzig downtown, being an independent part of the "Praxisklinik am Johannisplatz", which is operating as an ambulant center for Diagnosis and Therapy.

During the planning phase we not only decided to re-equip our ambulant practice with new modalities, but also to go completely digital right from the beginning - working film- and paperless. So a decision for a PACS had to be made.

Currently we have the following modalities in use:

- two 1.5T-MRI, one with cardiac-upgrade and the option to install a third system,
- one CT,
- conventional x-Ray and Mammography – digitized by a Fuji CR-System,
- two NUC and
- two Ultra sound devices.

We decided to buy all major modalities completely from one supplier (SIEMENS).

Regarding the PACS solution we had several choices: First to buy the whole PACS solution from SIEMENS together with our modalities, second to go with VEPRO or with a local vendor. Very shortly we recognized, that "big players" have a clear competence in development, production, installation and training of medical devices but not really in providing flexible IT solutions. Because of the complexity of a PACS we took this decision together with our IT consultants of med.integral GmbH Düsseldorf, headed by Dr. R. Grassow.

Dr. med. Christiane Volkheimer - Fachärztin für Radiologie · Dr. med. Susanne Schenk - Fachärztin für Nuklearmedizin
Dr. med. Kathrin Goetz - Fachärztin für Diagnostische Radiologie/Kinderradiologie
Dr. med. Michael Sickerf - Facharzt für Diagnostische Radiologie/Neurodiagnostik
Dr. med. Gabriele Siepmann - Fachärztin für Radiologie

After an evaluation time of two months - while we visited several show sides - and comparing price performance ratios of all companies we finally trust in VEPRO's expertise offering the best and most flexible state of the art concept of an acceptable price.

We heard a lot of useless, missing or failed integrations of a RIS system, from which we expected an important improvement of the daily workflow. So we also engaged VEPRO to deliver a new RIS with all the necessary PACS integration and to take over the complete responsibility for our "Digital Image / Patient Information System".

This large project, relocating our previous practice to a new facility with new modalities, working with a brand new RIS and starting with a PACS from one day to the other, makes professional planning and partnership necessary and at the same time demonstrates all the organizational and technical capabilities of a PACS company. Especially to analyze the database structure for implementing the complete history of our existing patient data from the former RIS raised the catalog of requirements for VEPRO. But VEPRO also accepted this challenge.

During the planning-, installation- and also the training phase we never felt left alone and always had the feeling that our project was fully controlled - from the organization up to the hard- and software responsibility - and held in VEPRO's hands all the time. While other suppliers missed important deadlines during the installation phase, VEPRO got smaller time slots for installation as planned. But regardless of this delay the whole installation was finished in time as planned due to the excessively flexible VEPRO team, which also worked at night or on Saturdays to compensate the lack of time.

During the planning and implementation phase we also learned that previous forecasted daily workflow requires often need to be "fine tuned". After expressing our notions we always got a solution from VEPRO without the increase of any price. This gave us a fix calculation base and preserved us from cost explosions - just like experienced in some other projects.

On 18th November 2001 we temporarily closed our former practice and started in our new location (totalling 1.300 sqm) on November 22nd - working with the new RIS and PACS without having any real PACS experience in the past so far.

An intuitive user interface covering the VEPRO solution and the flexibility, using multi-modality Workstations to run RIS applications on the same PC helps us a lot starting filmless into our digital future. Right from the beginning the RIS / PACS ran absolute stable and therefore guaranteed that we could do our daily work concentrated and focus on our patients, instead of wasting time handling technological questions. One week after start up and after an extreme short study time all of our 7 doctors and our staff were fully working with our PACS without having any major problems.

With this good experience we shortly extended the PACS with a couple of additional diagnostic- and home office stations.

In March 2002 we started with the implementation of the VOICE recognition solution to improve the workflow for medical reporting. The responsibility for this project was also handed over to VEPRO. In the same manner as the PACS implementation was made the VEPRO team integrated the speech recognition software into our RIS / PACS without problems. Meanwhile, all of our Workstations are running three applications parallel: RIS, PACS and Digital Dictation.

Now, we are no longer forced to dictate on tapes. Today, our doctors read images from the monitor and dictate the reports digitally. The central voice server translates the spoken text in "real time" to a digital report and saves it. After a short training of the voice recognition software we reached a recognition rate of nearly 98% - only very few corrections had to be made from our secretarial office.

We also decided very early to produce digital images for mammographies. For this purpose we use the FUJI CR system. Because of these high resolution images, the former planned memory requirements had to be increased for saving all these image data. But with VEPRO's flexible storage concept we were able to upgrade the central imaging server fast and easy with additional RAID 5 storage systems for an economic price.

This central server holds all of our imaging data online in a direct access. Images are available in a second – everywhere. No waiting time for loading or prefetching imaging data from jukeboxes or slow tape libraries interrupts or delays our daily working process. That is a very important fact, because we need to handle up to 350 patients daily. We can honestly say that we have improved the workflow with this solution to a great extent.

After all of these experiences we can highly recommend VEPRO as a strong, flexible and competent PACS partner. We are extremely satisfied with our decision to go with VEPRO.

further information see under <http://www.rad-nuk-leipzig.de>

Leipzig, 15.08.02



Dr. med. C. Volkheimer



Dr. med. S. Schenk