The Chair of Veterinary Radiology was founded in 1972 by Prof. Dr. hab. Stanislaw Koper to combine education and science. Years of intensive scientific contacts between the Department of Radiology and Sonography and foreign science centres, in particular the university of Turin and the department of “Clinical Radiology” at the Royal Veterinary Faculty in Stockholm resulted in numerous scientific research studies. The current focus of the Laboratory for Radiology and Sonography is on research on the subject “cancerous diseases of pets”.

Assistant Anna Łojczenk-Soczepaniak

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References
The institute fulfills both its academic and educational duties by providing compulsory and elective subjects to the students.

Dr. Renata Komsta, head veterinarian of the Laboratory for Radiology and Sonography:
“"We had been planning for a long time to replace the laboratory's existing conventional X-ray system with a complete digital system. One important prerequisite was the option to take images outside our lab. There are several solutions available on the market but we only considered the technical solutions in direct radiography when making our decision, the reason being the high quality of images.

The mobile Leonardo system met our expectations. The unit allows research in and outside the laboratory. The size of the detector, with the dimensions 35 x 43 cm, allows us to conduct studies on both small and large animals."
Operating the system is very simple and convenient. The compact suitcase ensures quick activation of the system and safe transport.

We can see many advantages compared to conventional technology: The Leonardo system is ready for operation within a few seconds after start-up, whereas the previous technology sometimes made us wait for several minutes until the system was available for work. For us, the greatest advantage is the high and reproducible image quality we obtain by using the up-to-date dicomPACS® DX-R acquisition software. In addition, it was virtually impossible to create images outside the institute with conventional technology while the Leonardo system allows us to work anywhere. Images created by using the Leonardo system go directly to our dicomPACS® vet archive which is accessible by the various workstations of the institute for the purpose of diagnosis and analysis.

We wish to encourage anybody who can’t make up his mind to purchase this system!”
The compact suitcase solution **Leonardo DR 4336R** is a fast and space saving alternative for ambulant digital radiography. The robust suitcase made out of shock proof materials, is easy to handle and transport with its extendable handle and integrated wheels. It also offers the option to integrate a fold-out table.

An integrated 17” notebook with a very high resolution guarantees high image quality for viewing. The software offers a wide range image processing functions.

The integrated robust 4336R flat panel detector is suitable for very fast mobile radiography systems. The detector only weighs 3.6 kg and is based on the new Gigabit Ethernet Interface. The images are displayed on the workstation within seconds.

**Advantages of the Leonardo DR 4336R suitcase systems:**

- Very small and robust thanks to specially developed materials and excellent workmanship
- **Easy to transport**
- **Very light** - only 26 kg incl. flat panel, notebook and cables
- **Highest possible resolution** and diagnostic image quality due to the large 17” display (at least 1,600 x 1,200 pixel)
- **Very quick** - only approx. 4 to 5 seconds wait for the image and just approx. 2 seconds before the next exposure can be taken

Further information you will find here: [www.or-technology.com](http://www.or-technology.com)