

CEDRI

CEDRI has run several departments of nuclear medicine in Belgium, among which the department of nuclear medicine in Bornem-Willebroek is still existing. The department maintains the highest level of expertise and knowledge. Among others, CEDRI offers consulting work for medical imaging departments worldwide and remote reporting and interpretation in diagnostic nuclear medicine.

Expertise

The department of Nuclear Medicine Bornem, is part of the CEDRI group. CEDRI has created and runned several departments of Nuclear Medicine in Belgium. As a result, CEDRI developed considerable experience and expertise in a large spectrum of diseases diagnosed with Molecular Imaging, among these include, bone, cardiac and thyroid pathology. Numerous publications and presentations have been made for European conferences. Involved work were: thyroid pathology, chronic fatigue syndrome, bone densitometry with a gamma-camera and functional studies of erectile dysfunction. Most the research was based on the thyroid imaging, with the development in the 90's of the new Pinhole SPECT device, which has also been applied on small animal models. This research was done with the help of the University Hospital of Amsterdam. Numerous aspects of Nuclear Medicine have been explored. Expertise in non-invasive & non-radioactive Breath tests (based on C13 -and H2 technology) & SeHCAT test (to exclude Bile Acid Malabsorption) has been developed. Conventional Molecular Imaging procedures are being used to diagnose many diseases, in Paediatric Nuclear Medicine as well. The Clinical Nuclear Medicine department maintains the highest level of expertise and knowledge, with successful intern & extern Audit(NIAZ). The facilities and the legal certifications, with the help of a certified clinical physicist, provide high quality of diagnostic care, treatment and training. We are equipped with 2 SPECT gamma-cameras with SPECT-CT fusion technology. The collaboration with the UZ Hospital of Antwerp and its PET scan services, gives me the capability to review images of our patients, on a daily basis.

Application fields

A full spectrum of conventional Nuclear Medicine exams is being done on a daily base, i.e.

- Bone (SPECT & SPECT-CT), brain, lung, thyroid and endocrinology, sentinel node scintigraphy, cardiology, renal and gastrointestinal diseases in oncology and non-oncologic settings,
- DAT-scan & Octreotide scan,
- Radionuclide therapy with I-131 , Strontium-89, Samarium-153 for pain palliation and Radium-223 treatment for prostate carcinoma.
- Proper development of new functional diagnostic exams i.e. colon transit scintigraphy and erectile dysfunction.
- Breath tests (with C-13 and/or H-2 technology) for adults & children & SeHCAT test.
- Paediatric Nuclear Medicine, with qualified nurses & specialized equipment.

Target

Hospitals, clinics and health care organizations.

Major projects/partnerships/collaborations

Collaborations with:

- Existing departments of Nuclear Medicine in Belgium (scientific studies & breath tests)
- Department of Radiology for SPECT-CT hybrid examinations
- Industry professionals i.e. Philips Medical, General Electric & Ashby-Gorman (patient studies with Pinhole-SPECT collimator)
- University Hospital of Antwerp (PET-CT scan with ¹⁸F -FDG) & VU Amsterdam (Prof Van Royen)
- Ongoing projects: not published
- Diagnosis of Osteoporosis in Chronic Fatigue Syndrome with DEXA-scan in collaboration with Dr. Jan Eyskens of the Antwerp University Hospital(intern medicine)
- Tele-reporting of Nuclear Medicine diagnostics with individual roentgenologists In Belgium/USA/Israel
- NIAZ and B-Quantum authority accreditation in the hospital & the Nuclear department, in order to maintain high quality standards
- Consulting work for Medical Imaging departments all over the world i.e. the establishment of 4 departments of in-vivo Nuclear Medicine in Belgium, 1 Multidisciplinary Diagnostic Centre of Radiology,Ultrasonography&Laboratory Medicine in Bucharest, one in-vitro lab for RIA analysis in Belgium
- Remote reports & Interpretation of Diagnostic Nuclear Medicine (English, French and Dutch) In Europe for individuals and/or service providers (collaboration with 2 departments of Nuclear Medicine in Belgium)

Key figures

- Nearly 5000 conventional Nuclear Medicine exams per year
- 3 certified Nuclear Medicine technologists
- 1 medical physicist

Contact

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