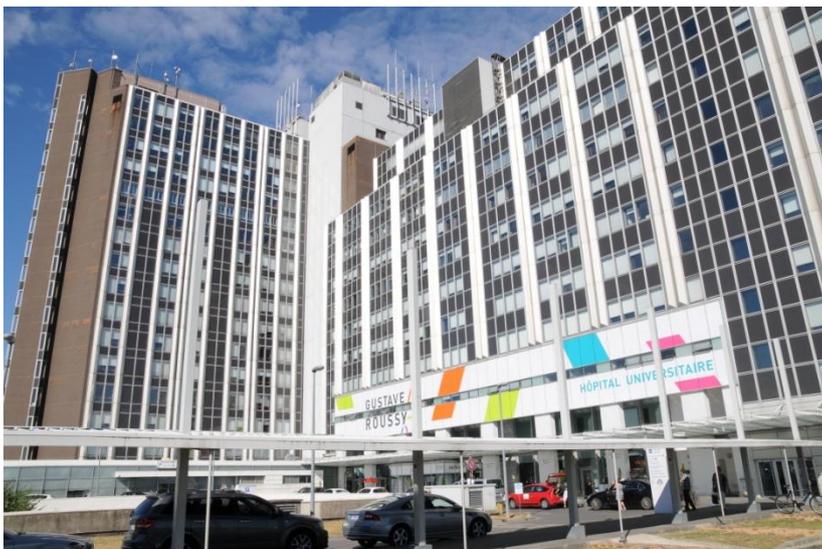


- **Website**

www.gustaveroussy.fr

- **Description of the institution**

Gustave Roussy is the first comprehensive cancer centre in Europe. It is a focus of comprehensive expertise in the cancer field, entirely dedicated to patients. The campus houses 3,000 professional staff engaged in patient care, research and teaching.



- **Description of the RO department**

Gustave Roussy's RO Department makes all the radiation therapies of Gustave Roussy's patients and also some external patients coming especially for these treatments. Gustave Roussy has comprehensive technical resources covering the majority of currently performed radiotherapy techniques. Approximately 4,000 treatments (external beam radiotherapy and brachytherapy) are carried out per year thanks to almost 150 professionals. Gustave Roussy is strongly committed into the renewal and upgrade of the equipment. Five new linacs, 3 PDRs, 1 HDR and a novel treatment planning system will be implemented within a 5 years period and three linacs have been implemented in the last three years. The department is integrated within Gustave Roussy multidisciplinary environment with strong links with clinical departments, clinical research and fundamental research (radiobiology and molecular oncology laboratories and physics research).

- **Areas of specialization**

All areas of radiation oncology, including external beam radiotherapy, brachytherapy (all tumor sites, including gynaecology, prostate, but also head and neck, paediatrics...), combined drug and radiotherapy, intra and extra cranial stereotactic radiotherapy. Paediatrics treatments are strongly represented and treatments under general anaesthesia are performed on a daily basis.

- **Ongoing projects/studies/clinical trials**

Many clinical trials in all disease sites including

- preclinical development and fundamental research (molecular radiotherapy laboratory)
- medical physics group developing research on combined PET/CT, PET/MR and radiotherapy
- early phase trials of combined drug and radiotherapy including radio-immunology.
- national/international phase II/III trials in all disease sites (HN, breast, prostate, gynaecology, lung, GI...)
- individual patient data meta-analyses in Head and Neck and Lung cancers (in association with Gustave Roussy's meta-analysis unit)

- **In-house news (conferences, workshops, training opportunities, etc.)**

- weekly scientific presentation
- weekly technical meeting for advanced techniques
- regular specific workshops on specific topics (e.g. 2015 international workshop on functional imaging for radiation oncology)
- training opportunities available on a regular basis either for clinical or research (fundamental/applied) purposes

- **Equipment used in the department**

The department is currently strongly involved in the renewal of its equipment. In the end it will have two dedicated stereotactic machines (intra/extra cranial treatments), 8 Linacs, 6 PDR afterloaders, 1 HDR afterloader and the capacity to do I¹²⁵ seeds implants.