



We're inventing the cancerology of tomorrow



— UNICANCER —

GROUP OF THE FRENCH CANCER CENTRES

Innovating together for patients



UNICANCER unites all of the Cancer Centres in France: these private non-profit health institutions are exclusively devoted to healthcare, research and education and training in oncology.

The leading edge in cancerology in France, and key players internationally, Cancer Centres participate in public hospital service and provide care for the patient in accordance with conventional tariffs, without any overrunning of fees.

UNICANCER is both a group of health institutions and a federation of hospitals. Its mission is to enable Cancer Centres to stay ahead and innovate together, and always for the benefit of their patients.



The UNICANCER model

- MULTIDISCIPLINARITY -
- COMPREHENSIVE CARE FOR THE PERSON -
- RESEARCH-CARE CONTINUUM -
- PERFORMANCE AND INNOVATION AT THE SERVICE OF PATIENTS -
- CARE COVERAGE ACCESSIBLE FOR EVERYONE WITHOUT OVERRUNNING OF FEES -

.....
IN SUM
.....

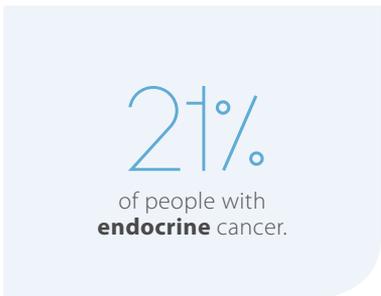
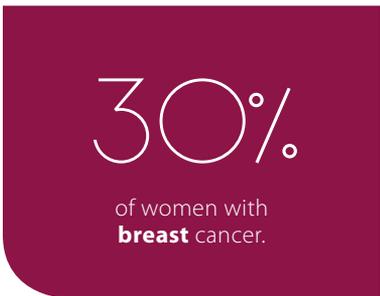


CARE FOR MANY TYPES OF CANCER:

- standard cancers (breast cancer, prostate cancer, gynaecological cancers, lung cancer, digestive cancers, etc.);
- rare cancers (ENT cancers, soft tissue cancer, paediatric cancers, etc.);
- complex situations.



In France, the following are treated in the Cancer Centres*:



*In 2014.

Guaranteeing quality care for everyone

Complete and individualised care for the patient

The Cancer Centres reunited within UNICANCER have developed a comprehensive and innovating model for cancer care in France. This model is based on multidisciplinary, access to innovation for all and the strive for efficiency at the service of patients. These are non-profit structures, participating in public hospital service and guaranteeing patients care in accordance with the health insurance tariffs without any overrunning in terms of fees. The doctors in the Centres are employees and do not practice as a liberal profession. The Centres place the quality of the care, the doctor-patient relationship and the quality of life at the core of their strategy.

From the screening and/or early diagnosis to the follow-up after treatment, the patient is fully cared for.

- **Individualized treatment:** adapting the treatment to the biological specificities of the disease and to the patient's genetic profile.
- **Individualisation of the accompaniment for the patient and for their family and friends** with, in particular, the developing of support care according to the sites (social support, dietetic, physical therapy, aesthetics, psycho-oncology, pain management, rehabilitation, etc.) and tie to patient associations.
- **Culture of the patient as a partner:** the patient is at the heart of the care and the therapeutic choices that the latter entails (patient committee, observatory on patient expectations).



AN EXPERTISE RECOGNIZED BY THE PUBLIC AUTHORITIES*

The Cancer Centres are privileged partners for many experiments set up by the Cancer Plan and financed by the French government. Alone or in association with CHUs (university teaching hospitals), they operate:

6

"Teenager and young adult" centres out of 8.

7

National Centres/expert networks for rare adult cancers out of 18.

16

oncogeriatric units out of 28.

**Figures for 2015.*



Coordinated actions with general practitioners

The **Cancer Centres** are developing:

- **home-care solutions** with all of the stakeholders in health: doctors, pharmacists, nurses, dieticians, in order to offer the patient the same quality of care as in a Centre;

- **support devoted to health professionals** for patient care (telephone support, information system, training, on-call availability, etc.). Some Centres for example have developed mobile applications for caregivers, that in particular provide them with access to on-duty schedules, drug databases, patient files, etc.



HIGH-TECH EQUIPMENT

INNOVATIVE TECHNICAL PLATFORMS*

Innovative devices that allow for the most effective treatments are mostly installed in the Centres.

*Situation in 2014.

Source: Observatoire de la radiothérapie, INCa.

44%

of the accelerators
have been acquired
or renovated since 2010.

13

Centres
today have a **TomoTherapy®**
machine, out of 20 of the machines
in France.

6

Centres
equipped with **Novalis®**,
out of 7 machines in France.

5

Centres
equipped with **CyberKnife®**,
out of 8 machines in France.

2

Centres
equipped with a **cyclotron**,
out of 2 in France.

Accelerating research to provide better care

Research is one of the three missions of the Cancer Centres

Research represents, along with care and training, **one of the fundamental missions** of the Cancer Centres. It enables patients to benefit from diagnostic and therapeutic innovations by calling on all of the disciplines involved in caring for cancer.

In each Centre, **multidisciplinary teams** associate the care with the research units in order to develop **integrated research** on cancer, based on the clinical, fundamental and translational research continuum.

- Clinical research represents:
 - more than **250 clinical trials** in progress sponsored by the Centres;
 - **18% of the patients** of the Centres are included in a clinical trial (vs. 8.5% for the national average⁽¹⁾);
 - **700 clinical trials** open to patients of the Centres in France⁽¹⁾.
- Fundamental and translational research and research in human and social sciences in particular involves more than **80 partnerships** with the teams that are certified by an EPST⁽²⁾ (Inserm, CNRS, universities, etc.).
- With 9,715 publications over five years, the Centres are credited with producing **more than 27% of the French bibliographical literature** in the field of cancer (excluding publications in social sciences and in French)⁽³⁾.

(1) Source: Assessment of clinical trials by the French national cancer institute.

(2) French Public Science and Technology research institute.

(3) Figures for 2013.

CENTRES ACCREDITED BY THE PUBLIC AUTHORITIES*

12

Early-phase clinical trial **Centres** (CLIP2) certified by INCa, out of 16 in France.

10

Clinical research **Centres** accredited by DGOS (French General Directorate on Health Care Services), out of 28 in France, all pathologies taken as a whole.

7

Centres associated with the eight projects accredited as Siric (integrated cancerology research sites) by INCa.

*Figures for 2015.



R&D UNICANCER, national leader for clinical research on cancer in France

R&D UNICANCER, within the Group, is an academic promoter and a cancerology clinical research operator. It works directly with the research units of the Cancer Centres and the other health institutions (university hospital centres, hospital centres, clinics, etc.) in France and abroad.

R&D UNICANCER's mission is to implement the global research strategy conducted by UNICANCER, and in particular:

- focus on scientific questions in areas that are insufficiently covered by the pharmaceutical industry (rare cancers, surgery, radiotherapy, epidemiology, etc.) and to facilitate patient access to innovation (translational research and early trials), in order to improve their care;
- develop partnerships, whether public or private, and cooperate with all stakeholders in research;
- facilitate and promote pre-clinical and basic research activities in the Centres;
- accompany the research teams in the Cancer Centres and to pool activities such as regulatory affairs, pharmacovigilance, quality assurance and watching for calls for projects for the Centres.



TRIALS & STUDIES*

R&D UNICANCER IS RECOGNISED BY THE INSTITUTIONS

R&D UNICANCER has obtained the status of a clinical investigation centre accredited by the Ministry of Health and by Inserm and is eligible for missions concerning education, research, reference and innovation (MERRI), the method of for funding research that is proper to hospital centres.

5,044

patients included in the clinical trials.

210

French and international Centres participate in the studies of R&D UNICANCER.

10

publications listed in the international scientific reviews.

25

research communications promoted by R&D UNICANCER presented at scientific congresses in France and abroad (ASCO, ESMO, etc.).

+600

clinical trials run by the teams of R&D UNICANCER.

*Figures for 2014.

We're inventing tomorrow's cancerology today

Cancerology has undergone a genuine revolution over the last few years: no other pathology in fact has seen as much progress in caring for patients. This will intensify in the upcoming years. Through the study "What will be the care for cancer in 2020?"*, UNICANCER has identified six major changes in caring for cancer by 2020. These transformations are already present on a daily basis in the Centres.



Chemotherapy

will be increasingly administered by mouth and will be done at home.

The changes in chemotherapy will increasingly allow the patient to be cared for at home, thanks to the development of oral treatments and in-home hospitalisation.

The proportion of drug treatments through the mouth could change from 25% to 50% and intravenous chemotherapy could decrease 25%.



Radiotherapy

will be more targeted, less invasive, and more secure.

In the upcoming years, the reduction in the number of radiotherapy sessions will concern 45% of breast cancer treatments, changes from 30 to 20 sessions on the average.

*From February to June 2013, UNICANCER conducted 40 interviews with experts intervening in the Cancer Centres, but also professionals coming from other care structures in France (university hospital centres, private clinics) and abroad.



Ambulatory surgery
will be a common practice
in cancerology.

The number of stays for ambulatory surgery
should more than double.



Interventional radiology
will replace certain complex and
invasive surgeries.

The number of stays for
interventional radiology
could be multiplied by four.



Molecular biology
will allow for better
tumour characterisation.

Tumour characterisation, thanks to
molecular biology, already allows for
a more precise diagnosis, identifies
the molecular anomalies involved and
treats them, when this is possible,
with targeted therapy.

This tumour characterisation and
genetic screening of populations at risk
will be much more widespread by 2020.



Supportive care
will be considered as indispensable
in treating all cancers.

A multidisciplinary team of
18 healthcare professionals (doctors,
caregivers, psychologist, etc.),
per bracket of 10,000 patients,
are to be entirely dedicated
to this accompaniment.



UNICANCER a label

For patients, UNICANCER is a label that helps them get their bearings in the complex care offering in cancerology.

- The guarantee of the same quality of care in all of the Group's establishments.
- Fast and safe access to innovations.
- The guarantee of care that is in accordance with conventional tariffs, without any overrunning of fees or pre-paying fees.
- The possibility of participating in clinical trials.

For health professionals and the scientific world, UNICANCER is the guarantee that the patient is benefitting from diagnostic and therapeutic innovations by calling on all of the disciplines involved in caring for cancer.

- Multidisciplinary teams.
- State-of-the-art equipment (Novalis, CyberKnife®, GammaKnife®, cyclotron, etc.).
- Therapeutic innovations, thanks in particular to constant investments in research and the adapted and innovative technical platforms.
- Basic, translational and clinical research continuum associated with the care.

The UNICANCER Charter

1

Equal access to quality care for all.

2

Methods of exercise that ensure equity and ethical practices, with coverage for care that is in accordance with the conventional tariffs, without any overrunning of fees or pre-paying fees.

3

A patient-centred approach, based on multidisciplinary, the comprehensive care for the person and the research-care continuum.

4

A joint medico-scientific project in order to make scientific and organisational advances available to patients as quickly as possible.

5

Personalised care (targeted therapies, measures for accompaniment, etc.) and integrated care right from screening and/or early diagnosis until the follow-up after treatment.

6

The constant integration of innovation via a link between research and care, including through the contribution of human and social sciences.

7

The culture of the patient as a partner, which acknowledges the skill of the patient and the in-depth knowledge that the latter has of his own body and of his disease (patient committees, observatory on patient expectations).

8

The dissemination of knowledge in the area of cancerology to all health professionals via initial and ongoing training.

9

The development of the skills of the employees of the Centres through the management of professional career paths.

10

The Group's **permanent benchmarking** in order to assess the quality and the pertinence of the practices, as well as the efficiency of the organisations.

Speaking with one voice

The UNICANCER Federation

Created in 1964, the UNICANCER Federation represents and defends the Cancer Centres with institutional stakeholders. Since 2005, it has been acknowledged as one of the four hospital representative federations in France. It manages the collective bargaining agreements for the personnel in the Centres as an employer organisation. The UNICANCER Federation also runs the UNICANCER Group by facilitating the pooling of resources in the areas of research, human resources, quality, hospital management, procurement...

THE MISSIONS OF THE FEDERATION

- **Manage the collective bargaining** agreement of the personnel of the Centres as an employer organisation.
- **Represent and defend the Centres** with the public authorities as a hospital representative federation.
- **Facilitate the pooling** of resources and skills between the Centres.

THE CONTRIBUTIONS OF THE UNICANCER FEDERATION TO CANCER PLANS 1, 2 AND 3

The Cancer Centres have made a substantial contribution in developing and implementing the successive Cancer Plans launched by the government since 2003. They are at the origin of many initiatives generalised by the various Plans:

- **specific consultations for the announcement** of the disease;
- **multidisciplinary collaboration meetings** (known as RCPs);
- **accompaniment for changes in radiotherapy**;
- **promoting** clinical and translational **research**.

INTERNATIONAL RELATIONS

In the framework of developing its international relations and as a representative body in France, **the UNICANCER Federation has become a member of two international federations and one world organisation.**



IHF, INTERNATIONAL HOSPITAL FEDERATION



HOPE, EUROPEAN HOSPITAL AND HEALTHCARE FEDERATION



UICC, UNION FOR INTERNATIONAL CANCER CONTROL

20 INNOVATIVE CENTRES EXCLUSIVELY DEDICATED TO CANCER CARE

**UNICANCER brings together all of the Cancer Centres in France.
The Centres provide a triple mission: care, research and education,
without any overrunning on fees.**

**As major stakeholders in the funding of research in cancerology,
the Cancer Centres are private non-profit health institutions,
authorised to receive donations and bequests.**



1 2

Angers-Nantes

L'Institut de cancérologie
de l'Ouest (ICO) includes:

- ICO site Paul Papin (Angers)
 - ICO site René Gauducheau (Nantes)
- www.ico-cancer.fr

3

Bordeaux

Institut Bergonié
www.bergonie.org

4

Caen

Centre François Baclesse
www.baclesse.fr

5

Clermont-Ferrand

Centre Jean Perrin
www.cjfl.fr

6

Dijon

Centre Georges-François Leclerc
www.cgfl.fr

7

Lille

Centre Oscar Lambret
www.centreoscarlambret.fr

8

Lyon

Centre Léon Bérard
www.centreleonberard.fr

9

Marseille

Institut Paoli-Calmettes
www.institutpaolicalmettes.fr

10

Montpellier

Institut régional du cancer
de Montpellier – Val d'Aurelle
www.icm.unicancer.fr

11

Nancy

Institut de cancérologie
de Lorraine – Alexis Vautrin
www.icl-lorraine.fr

12

Nice

Centre Antoine Lacassagne
www.centreaointinelacassagne.org

13 14

Paris - Saint-Cloud

L'ensemble hospitalier
de l'Institut Curie includes:
• Hôpital parisien
• Hôpital René Huguenin
(Saint-Cloud)
www.curie.fr

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Reims

Institut Jean Godinot
www.institutjeanodinot.fr

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Rennes

Centre Eugène Marquis
www.centre-eugene-marquis.fr

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Rouen

Centre Henri Becquerel
www.centre-henri-becquerel.fr

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Strasbourg

Centre Paul Strauss
www.centre-paul-strauss.fr

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Toulouse

Institut Claudius Regaud
(IUCT - Oncopole)
www.claudiusregaud.fr

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Villejuif

Gustave Roussy
www.gustaveroussy.fr