

Annual report 2019

SUMMARY

This annual report presents the activities developed by the different areas of the Fundação do Câncer, which focuses on the control and prevention of cancer. The document also provides a condensed view of project and research management, partnerships, and corporate initiatives, in addition to the achievements of the Institution in 2019.



Sustainability in the future

Aiming at the sustainability and longevity of its actions and projects, in 2019, the Fundação do Câncer expanded its protagonism in the public debate as a safe and specialized source on prevention and cancer control in Brazil. Three facts marked the past year: the presence of Dr. Paulo Niemeyer Filho as president of the Board of Trustees of the Fundação do Câncer, lending his prestige and expertise to the the Institution; the permanent defense of essential causes in the fight against cancer, such as, for example, anti-smoking, in partnership with scientists from several Brazilian institutions, and the investment in scientific research - essential for the development of new drugs and techniques for the treatment of cancer patients.

Fully dedicated to fighting against cancer

Founded in 1991 by Dr. Marcos Moraes, the Fundação do Câncer is a non-profit institution designed to support the José Alencar Gomes da Silva National Cancer Institute (INCA) and other initiatives by the Ministry of Health, state and municipal health secretariats, and organizations that focus on cancer care in the country. To achieve these goals, it raises funds, manages, and develops projects in many areas.

The areas of activity of the Fundação do Câncer are Education, Research, Mobilization, Institutional Development, and Prevention.

A photograph of two women embracing. One woman has short blonde hair and is wearing a light blue sweater. The other woman is wearing a grey sweater and a dark blue headscarf. They are both smiling and looking at each other. A yellow curved graphic element is overlaid on the image.

Your donation can save lives

Donations finance advances in cancer research and contribute to cancer prevention programs. Our fundraising department takes care of the relationship with the institution's donors and is always open to account for the resources allocated to the programs developed by the Fundação do Câncer.

In 2019, the department entered into two important partnerships. The first, with the Presente Solidário platform, allows anyone with access to the Internet to create a profile on the website and organize a campaign to donate their birthday, wedding, and other types of presents so that these financial resources go to the Fundação do Câncer to be invested in its prevention and mobilization actions. The second, with the Pólen platform, makes it possible for donors to help without taking money out of their own pockets. The platform allocates the amounts for donation by converting part of the money spent on purchases on partner sites.

RESEARCH AND EDUCATION

Windows of opportunity

Without research, treatments are not developed. Support for the development of oncology studies is one of our pillars, especially support for the National Cancer Institute (INCA) in the areas of Basic, Clinical and Translational Research and in Education.

The development of new technologies, processes, and treatments for early diagnosis and disease control is the result of this partnership with INCA, but it also stems from the incentive, 14 years ago, to the Oncobiology Program, coordinated by the Institute of Medical Biochemistry of the Federal University of Rio de Janeiro (UFRJ).

In 2019, 10 scholarships were awarded to fund research in different areas. In addition to funding research, the Fundação do Câncer purchased a piece of equipment called a Microplate Reader, which was installed at the Thrombosis and Cancer Laboratory of the Medical Biochemistry Institute at UFRJ for researchers associated with the Oncobiology Program to use. The machine was purchased with funds donated by the Embassy of the United Arab Emirates.




Clinical Research developed in 2019

Leukemia and solid tumors in children

Solid tumors in adults

Molecular profile of breast cancer

Melanoma

A photograph of two female scientists in a laboratory. They are wearing white lab coats, blue hairnets, and face masks. One scientist is looking through a microscope, while the other is holding a pipette. There are various lab equipment and glassware on the table.

National Program for Oncological Care Support (Pronon)

During the current administration, our expertise in designing research projects was once again recognized. The groundbreaking study on how to treat lymphoma with CARs-T cells was chosen by the National Program for Oncological Care Support (Pronon).

Therapy with T cells genetically modified with CARs has established itself as an important therapeutic alternative for CD19 + hematological neoplasms related to blood diseases, such as lymphoma and leukemia.

Education Partnerships

Aware of the importance of valuing and fostering scientific knowledge to build knowledge essential for the prevention and treatment of neoplasms, the Fundação do Câncer has been establishing partnerships with oncology research reference centers and institutions.

One of these partnerships made it possible to sign an agreement with the State University of Rio de Janeiro (UERJ), through the academic coordination of the Radiological Sciences Laboratory, to offer the Professional Qualification for Radiotherapy Technicians course.

The course was developed in accordance with the guidelines of the Radiotherapy Expansion Plan in the Unified Health System (SUS), of the Ministry of Health. Among other initiatives in the segment, the Fundação do Câncer signed, at the end of 2019, an agreement with the Afya Educacional group to develop an Oncology graduate course focusing on Radiotherapy. The purpose of the course is to train, qualify and update professionals in the field to develop new skills and competences in radiotherapy treatment.

Communication for a healthier life

Cancer is the second leading cause of death from illness in Brazil, but the country still invests more in advanced stages of the disease, with more expensive treatments where patient survival is reduced.

Throughout 2019, the Fundação do Câncer made Communication a great ally in the mission of raising awareness, disseminating relevant information for the prevention and care of various types of cancer.

In order to disseminate its message, the Fundação do Câncer spoke to the press and used digital media to engage heterogeneous audiences, aiming to reduce the incidence of cancer and to promote healthier lifestyles.

The Institution promoted educational health campaigns and presented research projects through its Facebook, Instagram, and LinkedIn profiles and the Institution's website.

In Internal Communication, messages posted on the electronic bulletin, murals and Corporate TV promoted the participation of employees in institutional activities and expanded the dialogue between the Institution and its team.

Transplant

Every 35 seconds a person in the world discovers that they have blood cancer and needs to have a bone marrow transplant. In Brazil, in 2020, 5,920 new cases of leukemia in men and 4,890 in women are expected. Each one of them will need to find a compatible donor. For these people, a donation of stem cells from an unrelated donor is the only chance of survival.

The Ministry of Health Redome (National Registry of Bone Marrow Donors) and Brasilcord (Public Network of Umbilical Cord and Placental Blood Banks) programs, under the operational management of the Fundação do Câncer, face the challenge of finding and registering donors, storing donated blood stem cells and connecting, at both ends, donors and patients in Brazil and worldwide.

REDOME was created in 1993 by the Ministry of Health and exceeded 5 million registered voluntary donors in 2019.



FEBRUARY 4TH

World Cancer Day 2019
#EuSouEuYou

MARCH 26TH

World Cervical Cancer
Prevention Day

APRIL 7TH

World Health Day -
Vital Sex Program

MAY 31ST

World No Tobacco Day -
Tradition against smoking

JULY 20TH

Friend's day -
Playlist With You For Life

OCTOBER

Breast Cancer Prevention Month

NOVEMBER

Men's Health Month and
Prostate Cancer Prevention

DECEMBER

Donate Day

ORANGE DECEMBER

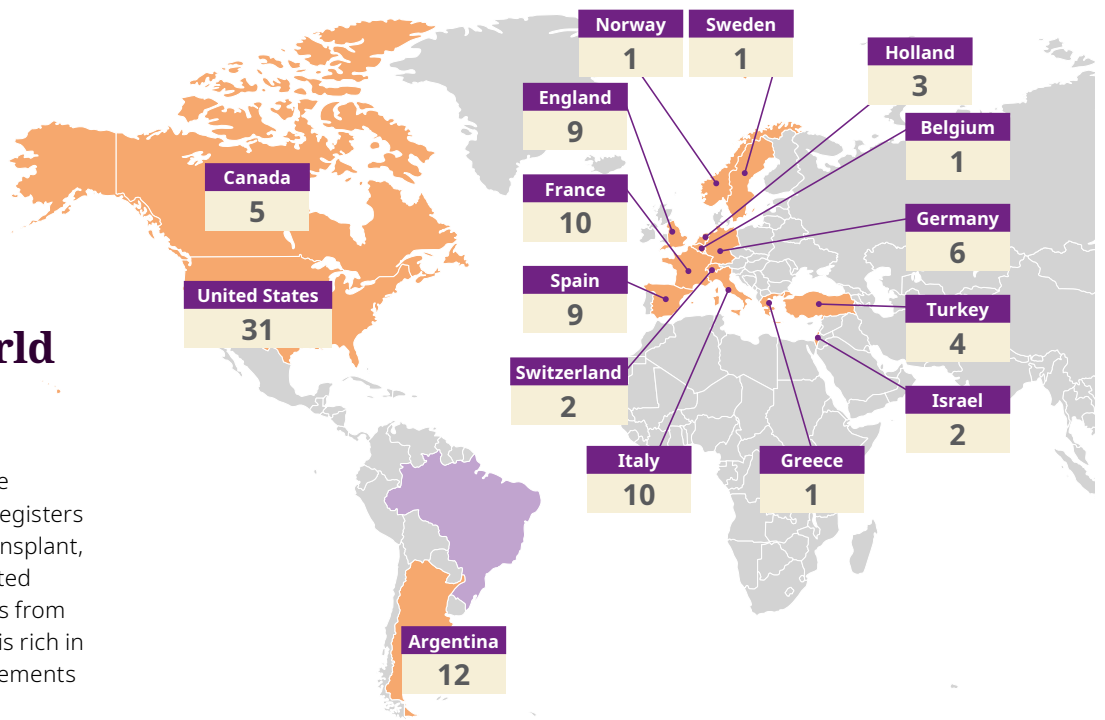
Skin Cancer Prevention Month



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Hematopoietic Stem Cells traveled from Brazil to the world

While Redome registers the bone marrow donations and Rereme registers the data of those who need a transplant, the Rede BrasilCord stores donated umbilical cord blood of newborns from healthy pregnancies. This blood is rich in stem cells, which are essential elements for bone marrow transplants.



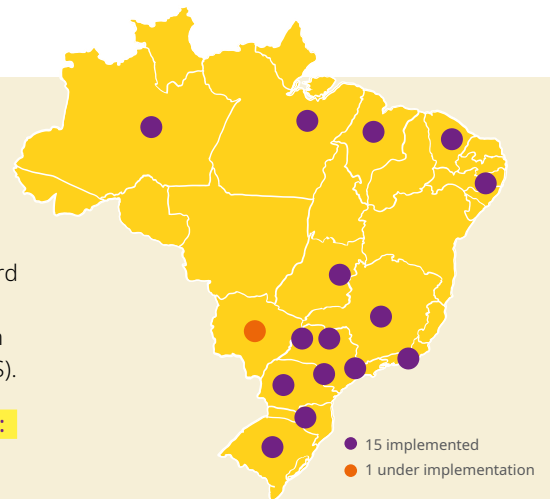
The expansion of the public network of umbilical cord and placental blood banks (Rede BrasilCord) brings benefits to patients waiting for a transplant: shorter distances to the Cell Processing Center (CPC) closest to their region, easier to form a bank with greater genetic diversity and, as a consequence, increased genetic compatibility and immediate availability for transplantation, among others.

Samples donated voluntarily are kept in one of the **15 banks already in operation**, which have the capacity to store up to **75 thousand bags**, and are spread throughout the national territory.

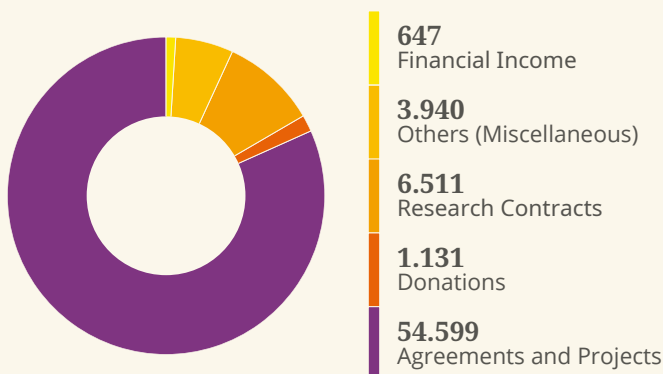
In 2021, the 16th CPC will start its activities in Campo Grande (MS).

The Fundação do Câncer manages the Rede BrasilCord expansion project, with resources from the Brazilian Development Bank (BNDES).

Total of resources invested: R\$ 59 million.



Origin of Resources (in R\$ thousand)



Investment of Resources (in R\$ thousand)

