UCSF Helen Diller Family Comprehensive Cancer Center

Chronic Myelogenous/Myeloid Leukemia (CML)

The UCSF Patient and Family Cancer Support Center is the hub of support, information and resources for people with cancer at the Helen Diller Family Comprehensive Cancer Center. Learn more about UCSF's supportive care programs at https://cancer.ucsf.edu/support/crc/patientsupport-center

The Cancer Support Center at Mission Bay is located at 1825 4th St., 1st Floor, Room M-1210. The Cancer Support Center at Mt. Zion is located at 1600 Divisadero St., 1st Floor, Room B-101. The complete list of Patient Education Resource Pages is available to view at http://cancer.ucsf.edu/support/crc/patient-education-resources

Overview

Chronic myelogenous leukemia (CML) is a slow-progressing leukemia associated with a specific genetic abnormality in the leukemia cell, called the Philadelphia chromosome. This abnormal gene is produced when genetic material called ABL is displaced from chromosome 9 and replaces the normal part of chromosome 22 next to a region called BCR. The resulting fusion gene, BCR/ABL, causes abnormal function of the ABL gene, which leads to the leukemia.

There are three main phases of CML:

- The disease almost always starts in the chronic phase, during which the disease is usually easy to control with treatment, and patients can lead nearly normal lives.
- The disease may progress over a few years into the accelerated phase. When this happens, the blood counts worsen and patients can experience high fever, bone pain and painful enlargement of the spleen.
- The blast phase of CML is a form of acute leukemia that is very difficult to treat. Two-thirds of the time it is myeloid, and is considered acute myeloid leukemia. One-third of the time, it is lymphoid (acute lymphoblastic leukemia, or ALL). Survival is usually only a matter of months once the blast phase occurs.

Website: https://www.ucsfhealth.org/conditions/chronic-myelogenous-leukemia

UCSF Resources

UCSF Hematology and Oncology

The faculty of the Divisions of Hematology & Medical Oncology - managed separately at the UCSF Medical Center at Parnassus, the UCSF Helen Diller Family Comprehensive Cancer Center at Mount Zion, Zuckerberg San Francisco General Hospital Medical Center, and the San Francisco VA Health Care System - are leaders in the fields of cancer care and blood disorders. For over

thirty years, our faculty has passionately pursued its mission to enhance individual lives around the world by improving the treatment of cancer and blood disorders. For patients suffering from these conditions, we discover and implement medical advances that have improved survival rates and quality of life. Website: https://hemonc.ucsf.edu/ | Phone Number: (415) 353-2421

Publications

Leukemia & Lymphoma Society Education Resources
LLS provides excellent patient education materials, videos, webcasts, and drug information, as well as books on caregiving. Materials can be ordered for free or viewed online. (Available in various foreign languages)
Website: http://www.lls.org/education-resources

Organizations

American Cancer Society (ACS) – Chronic Myelogenous/Myeloid Leukemia (CML)
At the American Cancer Society, we're on a mission to free the world from cancer. Until we do, we'll be funding and conducting research, sharing expert information, supporting patients, and spreading the word about prevention. All so you can live longer — and better.
Website: https://www.cancer.org/cancer/chronic-lymphocytic-leukemia/about.html | Phone Number: 800.227.2345

Cancer Support Community – Chronic Myelogenous/Myeloid Leukemia (CML)
As the largest professionally led nonprofit network of cancer support worldwide, the Cancer Support Community is dedicated to ensuring that all people impacted by cancer are empowered by knowledge, strengthened by action, and sustained by community.
Website: https://www.cancersupportcommunity.org/chronic-myeloid-leukemia | Phone Number: 888-793-9355

Leukemia Research Foundation - Chronic Myelogenous/Myeloid Leukemia (CML)
In 1946, the Leukemia Research Foundation was established to memorialize 12-year-old Sherwin Pessin. Leukemia was a well-known but not well-understood disease. For Sherwin and thousands of other children and adults, there was no hope and no possibility for a cure. Website: https://allbloodcancers.org/leukemia/chronic-myeloid-leukemia/ | Phone Number: 800.955.4572

Leukemia & Lymphoma Society – Chronic Myelogenous/Myeloid Leukemia (CML)
Dedicated to curing leukemia, lymphoma, myeloma, and other blood cancers, we are now The Leukemia & Lymphoma Society (LLS), the world's largest voluntary (nonprofit) health organization dedicated to funding blood cancer research and providing education and patient

services. Website: https://www.lls.org/leukemia/chronic-myeloid-leukemia | Phone Number: 800.955.4572

Medline Plus: Trusted Health Information for You - Chronic Myelogenous/Myeloid Leukemia (CML)
MedlinePlus is a service of the National Library of Medicine (NLM), the world's largest medical library, which is part of the National Institutes of Health (NIH).
Website: https://medlineplus.gov/chronicmyeloidleukemia.html

National Cancer Institute - Chronic Myelogenous/Myeloid Leukemia (CML)The National Cancer Institute (NCI) is the federal government's principal agency for cancer research and training. NCI is deeply committed to the core values of equity, diversity, and inclusion that allow all staff to reach their potential and fully contribute to the Institute's cancer mission. Website: https://www.cancer.gov/types/leukemia/patient/cml-treatment-pdq

National LGBT Cancer Network
The National LGBT Cancer Network works to improve the lives of LGBT cancer survivors and those at risk by: EDUCATING the LGBT community about our increased cancer risks and the importance of screening and early detection; TRAINING health care providers to offer more culturally-competent, safe and welcoming care; and ADVOCATING for LGBT survivors in mainstream cancer organizations, the media and research.
Website: https://cancer-network.org/about/ | Phone Number: 212-675-2633