

OSF HEALTHCARE SAINT FRANCIS MEDICAL CENTER



2021

CANCER PROGRAM
ANNUAL REPORT



OSF[®]
HEALTHCARE

2021 Cancer Committee

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Chairman's Report

In 2021, we broke ground on the new OSF HealthCare Cancer Institute, which will house many of the facilities and services that constitute the OSF cancer program. The building on the OSF HealthCare Saint Francis Medical Center campus will move OSF into the future of cancer care and support the development of an integrated cancer care network for the OSF Ministry.

The top floor of the building is designated for cancer research. In conjunction with academic and industry partners, OSF will move toward research activities based on the synergies of the strengths intrinsic to OSF and its partners. Many of these programs will involve the physical sciences and will incorporate use of the newer

forms of treatment and diagnosis that OSF is developing with our oncology-related engineering colleagues and equipment manufacturers.

Next floor down will be clinical space for oncology practices. Likely occupants will include medical and gynecologic oncology services. Locating those practices in proximity to the other practitioners, such as radiation oncology, will help with communication and facilitate multidisciplinary clinics.

Connected to the new parking deck by an enclosed walkway, the third level will house an extensive clinical space for multidisciplinary clinical activities

and infusion services. Treatment rooms for patients receiving chemotherapy or infusions will provide privacy as well as pleasant exterior views. Special consideration is given to a few treatment bays for the needs of the emerging field of theranostics, the use of a radionuclide for both diagnostic imaging and therapy. Patients coming for consultations will have the privacy of an exam room and the opportunity for their families to speak in an appropriate setting with multiple physicians. They will all be able to see their imaging studies and teaching videos in an optimized physical space. Clinicians who are unable to attend in person can also see the patients and interact with them through TelePresence monitors in the exam rooms.

A curving staircase will bring the patient down to the ground level and its many advanced services. Approaching the stairs, one will see a two-story wall of windows framing a two-acre garden on the back side of the cancer institute. At the bottom of the stairs is a community room flanked by a teaching kitchen. Also nearby are exercise training and physical rehabilitation services. To the right is the entrance to the proton center, home of a ProBeam 360 pencil beam proton unit with a full gantry and in-room imaging. Nearby is a complex brachytherapy operating suite, shielded to allow radiation treatment in the room. It will contain a dual energy CT on rails for intra-operative analyses. Also near is a 3 Tesla MRI unit with spectroscopy and a full anesthesia facility with six bays.



The goal is for patients to have access to the same level of exceptional care, regardless of where they enter the OSF cancer program.

The OSF Cancer Institute main-entry floor will house registration, diagnostic imaging and laboratory services. This level will provide a great conference space for tumor board interactions across the Ministry. The goal is for patients to have access to the same level of exceptional care, regardless of where they enter the OSF cancer program. The linkages between clinics and physicians will be enhanced by the “Internet of Things” resources of the cancer institute. This link will bridge traditional gaps in communication that previously limited the ability to provide uniform quality of care across the Ministry’s myriad clinics and physicians. Also present will be the ever important café and coffee shop amenities.

The separation between diagnostics and therapeutics is blurred, as the two are co-located to enhance both modalities.

The OSF Cancer Institute is designed to help people work together more efficiently in the prevention and treatment of cancers. The design and the thought processes behind the design push OSF toward care models that are especially adapted for our rural populations. The excellent technology being brought to the facility will be equaled by the good spirit of the care providers.

James L. McGee, MD

James L. McGee, MD, SM
Radiation Oncology, Chairman





A new day for cancer care

OSF HealthCare is committed to making Peoria a premier destination for world-class cancer care, research and prevention. A place where the best cancer-fighting tools available anywhere are offered at the new OSF HealthCare Cancer Institute. Where our neighbors facing a devastating diagnosis won't have to leave home for treatment. And where clinicians, researchers and engineers work collaboratively to find new ways to deliver cancer care and prevent cancer from occurring in the first place.

On August 17, 2021, OSF took one step closer to making that vision a reality with the groundbreaking of this new cancer institute. Located in the heart of the OSF HealthCare Saint Francis Medical Center campus, the institute will serve as the hub for all aspects of cancer care, research and prevention across the OSF Ministry.



“When I received my cancer diagnosis, it was impossible to comprehend at the age of 27. After undergoing months of chemotherapy, I was told I needed radiation as a final treatment due to the size of a tumor in my chest. Knowing the possible side effects of having radiation, I struggled to accept my final treatment. Proton therapy, however, gave me the conviction to move forward with my treatments. I have no doubt the precision of proton therapy not only saved my life, but its limited side effects will extend the quality and length of my life ahead.”

Keelin McGee, cancer survivor

Launching proton beam therapy and FLASH radiation



An axis of the new cancer institute will be proton therapy, cutting-edge technology that will be added to the OSF arsenal of cancer-fighting tools. Proton therapy is transforming cancer care by allowing radiation oncologists to more closely target tumors, reducing damage done to surrounding healthy tissue and limiting radiation-related side effects. Proton therapy is most commonly used to treat the following types of cancer:

- Base-of-skull tumors, to protect brain and spinal cord function
- Brain tumors, to preserve intelligence and function
- Left breast cancers, to eliminate cardiac injury
- Gastrointestinal cancers situated near the bowel or kidneys
- Head and neck cancers, to preserve swallowing and nutrition
- Central lung cancers, to avoid extensive lung or esophageal injury
- Malignancies of the eye
- Select prostate cancers, to reduce bowel and bladder effects
- Tumors impinging on the spine
- Hard-to-reach tumors in medically sensitive areas

Proton therapy is also the preferred radiation treatment option for many pediatric cancers, due to the risk of health issues later in life from traditional cancer treatment – issues such as heart disease, secondary cancers, growth retardation and neurocognitive disorders.

Peoria will be one of fewer than 45 cancer centers in the country to have proton beam therapy.

The institute also will be the only facility in Illinois with capability for FLASH therapy, a revolutionary new type of radiation therapy.

FLASH radiation uses ultra-high-dose external beams that are delivered in less than a second, sparing surrounding healthy tissue and reducing long-term side effects like heart disease, skin toxicity, scarring and risk for additional cancers. In some instances, an entire cancer regimen can be done with one treatment.

At their most vulnerable — facing the possibility of a life cut short — patients should have access to world-class care that will give them the best possible outcome following treatment.



Peoria will be one of fewer than 45 cancer centers in the country to have proton beam therapy.

Proton therapy:

- Offers advanced, precise treatment, reducing damage to healthy tissue and organs.
- Is typically used for hard-to-reach tumors and tumors that have not spread to other parts of the body.
- Will be used in combination with other treatments.
- Produces better results when housed on medical campuses with established oncology programs.

A cancer institute to benefit the entire OSF Ministry

OSF HealthCare is the fourth largest system for the treatment of cancer in Illinois and the largest outside of Chicago. OSF HealthCare currently treats more than 5,000 patients diagnosed with cancer each year, but only 25% of the patients diagnosed in our service area. We have highly specialized treatments and technologies – including Gamma Knife, iMRI, low-dose CT lung cancer screening, chemotherapy and radiation therapy and TrueBeam® – as well as five cancer treatment centers throughout the OSF Ministry. The demand for outpatient cancer services will almost double over the next several years. The time is now to further develop world-class cancer care in Central Illinois, and OSF is the only health care system in the region capable of taking on this ground-breaking project.

Collaborating with our full-service cancer centers across the OSF Ministry, we will build more than a physical structure.

The institute will be a destination for cancer care throughout the Midwest, with in-person and virtual care options. Our comprehensive cancer care will encompass the whole patient experience – from prevention to survivorship – with collaborative coordination of all medical, radiation and surgical oncology services.

Procedures and test results will be communicated throughout the network (potentially even within the same day), so all involved are aware of the progress of a patient’s care plan. Patients will have access to pre-testing, radiology scans and follow-up care at a location convenient to their home while receiving the same high-caliber care as if they visited the cancer institute. The OSF Cancer Institute will also help us attract additional world-renowned specialists and sub-specialists to serve Central Illinois and commit to investing in the future of health care.



“When you have to leave home for treatment — and you need someone with you, helping you — how do you manage that? Leaving home for treatment is a disruption of life for you and everyone in your orbit. We’re so excited about this institute and want it to be the best it can be. Proton therapy was truly life-saving for me. I want to do what is in my power to help others receive it as well. Without it, I may have lost my voice, my livelihood and lived with long-term health conditions. Since the end of my cancer treatments, I have traveled internationally and helped grow our family business. I would not be able to do what I’ve done since my treatment without the quality of proton therapy treatments I received.”

Josh Swank, cancer survivor

Collaborative partnerships that drive transformation



Not only will the new cancer institute transform how we coordinate care, it will engage in groundbreaking research that supports prevention and survivorship. Through our collaborative partnerships with University of Illinois Urbana-Champaign, University of Illinois College of Medicine Peoria, Illinois CancerCare and others, we will bring the brightest

minds together around cancer treatment, education, research and prevention. Through these essential collaborative relationships, we will achieve our ultimate goal of becoming a National Cancer Institute (NCI)-designated Comprehensive Cancer Center. There are currently only 51 NCI-designated Comprehensive Cancer Centers in the world.



A focus on prevention and education

Education and cancer prevention will be a significant focus of the OSF Cancer Institute. A teaching kitchen within the new cancer institute will serve as a culinary medicine laboratory, helping cancer patients and their support persons, as well as the community, learn to select and prepare healthy foods that are known to prevent cancer.

Using fresh produce sourced from the OSF community gardens, dietitians and nutritionists will help people learn how to prepare foods to address specialized needs while going through treatment, such

as extra calories, protein-focus, taste and smell challenges, and difficulty swallowing. Prevention of other diseases and chronic health conditions will also be addressed, with advanced information technology facilitating livestreamed classes.

By furthering education and outreach around healthy lifestyle choices, we will not only lower cancer rates, but also reduce the risk of heart disease, diabetes and many other diseases. The impacts of this new cancer institute on the long-term health of Central Illinois are immeasurable.



The impacts of this new cancer institute on the long-term health of Central Illinois are immeasurable.



Imagine if patients...

- Had world-class providers meeting regularly to coordinate all care, manage all side effects and drug interactions, and provide input and clear communication for all treatment decisions.
- Received the most cutting-edge treatment in a space designed for their comfort, with the support of family and loved ones.
- Could seamlessly schedule initial appointments and treatment following diagnosis without waiting weeks or months for care.
- Had an advocate navigating and coordinating their care and appointments so they could focus their energies on getting well.
- Had regular access to pastoral care teams, therapy, educational resources, nutrition and wellness services at all stages of their cancer journey.
- Had access to leading research efforts and innovative care solutions



“What a joy it is to share this sacred cancer institute with you and the difference it will make for our community. We have always recognized the severe burden and hardship that cancer places on virtually every family we serve. Through a shared vision and with philanthropic engagement, we can all play a part in the in the healing process. Together, we will create a place where cancer care begins and ends with a focus on treating the whole person — body, mind and spirit. In doing what is good in the service of human life — with God’s constant hand and your help — we will make this happen.”

Sister Judith Ann Duvall, O.S.F.

Chairperson of the OSF HealthCare Boards



Cancer Program Services

OSF HEALTHCARE SAINT FRANCIS MEDICAL CENTER

649 Acute Medical/Surgical Beds • 19 Specialty Cancer Care Unit Beds • Weekly Site Specific • Prospective Breast and Central Nervous System Cancer Conferences • Monthly Pediatric Cancer Conference • Weekly Cancer Multidisciplinary Conference • Certified by American College of Surgeons Commission on Cancer • Certified by National Accreditation Program for Breast Centers

BOARD-CERTIFIED PHYSICIAN ONCOLOGY SPECIALISTS

- Medical Oncologists
- Radiation Oncologists
- Gynecologic Oncologists
- Pediatric Oncologists
- Specialists in Pathology, Hematology, Endocrinology, Urology, Pulmonology, Breast Imaging, Thoracic Imaging, Pediatric Surgery, Thoracic and General Surgery
- Otolaryngology

OTHER ONCOLOGY SPECIALISTS

- Certified Oncology Nurses
- Certified Pediatric Oncology Nurses
- Cancer Psychosocial Counselor
- Clinical Case Manager
- Medical Physicist
- Registered Radiotherapy and Mammography Techs
- Certified Tumor Registrars
- Palliative Care Team
- Navigators
- Clinical Dietitian

CANCER CARE UNIT

- Certified Oncology Nurses
- Chemotherapy Administration
- Pastoral Care
- Home Healthcare Planning
- Sun Patio
- Pain Management
- Symptom Management
- Case Management
- Bedside Tablet
- Aromatherapy Patches
- Collaboration with OSF Cancer Service
- Collaboration with Illinois CancerCare
- Summer Volunteers
- Pet Therapy

RADIATION ONCOLOGY

- TrueBeam XLT Linear Accelerator with IMRT and IGRT Including Body Stereotactic RT and Body Radiosurgery
- Stereotactic Body Radiosurgery
- RIT-Radioimmunotherapy
- PET-CT Radiotherapy Simulator
- Computerized Four-Dimensional Dosimetry and Treatment Planning
- Linear Accelerator: IMRT, IGRT, Respiratory Gaiting, Triggered Imaging
- Gamma Knife Perfexion Radiosurgery
- Complete Brachytherapy Service:
 - High Dose Rate Brachytherapy to Breast, Prostate, GYN and Skin Cancers
 - Low Dose Rate Iridium Treatments
 - Accelerated Partial Breast Brachytherapy
- Noona

INPATIENT SURGERY FACILITIES

- da Vinci® Xi Robotic Surgery System
- iMRI – Intraoperative MRI for Brain Tumor Resection
- Thoracic Center of Excellence
- Pediatric Surgery
- Specialty Acute and Tertiary Care Services
- NanoKnife

PHARMACY

- St. Jude Satellite Pharmacy
- Laminar Flow Bio Safety Cabinet for Prep of Chemotherapy Agents
- Pharmacokinetic Drug Monitoring
- Adverse Drug Event Screening/Monitoring
- Drug Interaction/Antibiotic Review
- Drug Culture/Sensitivities Review
- Patient Controlled Analgesic Program
- Pharmacist Available 24 Hours a Day
- Pharmacist Consult and Monitoring
- Renal Function Screening
- Chemotherapy Dose Verification
- Oncology Pharmacist Specialist

LABORATORY

- Oncotype DX - Cancer Genetic Assays
- Prolaris Prostate Cancer Genetic Assay
- Carcinoembryonic Antigen
- CA 125, CA 15-3 and CA 19-9
- PSA and Other Tumor Markers
- Flow Cytometry
- Her2/Neu Protein
- Estrogen/Progesterone Receptor
- Surgical Pathology/Cytology
- Automated Hematology and Coagulation
- Microbiology, Parasitology, Mycobacteriology
- Blood Bank Transfusion Service
- Automated Blood Chemistry Analysis
- Automated Electrophoresis
- TEG (Thromboelastography)
- DNA Mismatch Repair Proteins
- PML/RARA t(15;17) by FISH study
- BCR/ABL1 t(9;22) by FISH study
- Cytogenetics

MULTIDISCIPLINARY CANCER CONFERENCES

- Prospective Breast Cancer
- Pediatric Cancers
- Lung Cancer
- GU (Prostate and Bladder) Cancers
- GI (Gastrointestinal) Cancer
- Central Nervous System Cancers
- Liver Cancer
- Weekly Site Specific (rare cancers)
- Gamma Knife Clinic
- Spine Cancer Clinic
- Gynecological Cancer
- Head and Neck Cancers

OUTPATIENT SURGERY/SPECIALTY SERVICES

- SIR-Spheres for Liver Cancer
- Bone Marrow Biopsies
- Paracentesis, Thoracentesis
- Laser Surgery
- Incisional and Excisional Biopsies
- Major and Minor Procedures
- Fine Needle Aspirations

HOSPICE

- OSF Richard L. Owens Hospice Home
- Pain Management
- Symptom Control
- Personal Care
- Social Worker
- Spiritual Support
- Volunteer Services
- Grief Support
- Registered Nurses
- Registered Dietitian

REHABILITATION AND ANCILLARY SERVICES

- Nutrition and Dietary Services
- Occupational Therapy
- Pastoral Care
- Physical Therapy
- Speech Therapy
- Lymphedema Clinic
- Enterostomal Teaching
- Lymphedema Therapy

DIAGNOSTIC IMAGING

- Angiography
- Preoperative Embolization/Devascularization of Tumors
- Ultrasonography
- Interventional Intrarterial Chemotherapy of Tumors
- Magnetic Resonance Imaging
- Nuclear Medicine
- Multidetector Spinal Computerized Tomography with Multiplanar and 3-D Reconstruction Capabilities
- Radiology-Directed Needle Biopsies
- Interventional Radiologic Techniques for Relief of Biliary and Urological Obstruction
- Localization and Drainage of Neoplastic and/or Infected Fluid Collections
- Tag Monoclonal Antibodies for Imaging Ovarian and Colorectal Cancers
- Functional MRI Brain Studies for Tumor Resection
- Positron Emission Tomography
- CT/MR Perfusion Studies
- Board Certified, Fellowship Trained, Subspecialties in Nuclear Medicine, Body Imaging, IR, Neuroradiology, Musculoskeletal, Breast Imaging and Pediatric Radiology
- Percutaneous and Open Cryoablation and Radiofrequency Ablation of Primary and Metastatic Neoplasms

COMMUNITY SERVICES

- Smoking Cessation Program
- Public Cancer Education Programs
- Nutrition Classes at RiverPlex

RIVERPLEX RECREATION AND WELLNESS CENTER

- Medically Based Exercise Program
- Combating Fatigue Program
- Weight Loss Center
- Personalized Health Risk Assessment with Clinical Testing
- Individual Consults with Health Professionals

CANCER SCREENINGS

- Low Dose CT Lung Cancer Screenings
- Colonoscopy
- Virtual Colonoscopy
- Sigmoidoscopy
- Fecal Occult Blood Test
- 3D Mammography
- Tomosynthesis
- Skin Cancer Screening

SERVICES AVAILABLE

- Navigation
- Palliative Care
- Social Services
- Dietitian
- Financial Assistance
- Smoking Cessation
- Pulmonary Rehabilitation
- Pastoral Care
- Community Services
- Community Education
- Community Awareness

AMERICAN CANCER SOCIETY SERVICES

*Due to the COVID-19 pandemic, some American Cancer Society (ACS) services may have changed or been suspended. Please call the National Cancer Information Center at (800) 227-2345 or go to the ACS website at cancer.org, day or night, to schedule a live video chat or to inquire about resources.

- *Road to Recovery for free transportation services
- *Free or reduced-cost lodging services
- Reach to Recovery, peer one-on-one support services for breast cancer patients
- TLC partnership for head-covering options

- Video chat options
- Assistance with insurance, financial questions and questions regarding your diagnosis

OSF SAINT FRANCIS MEDICAL CENTER CANCER SUPPORT SERVICES

- Individual Counseling
- Family Counseling
- Support Groups
- Individual Nutrition Counseling
- Healthy Living Classes
- Therapeutic Massage

CENTER FOR BREAST HEALTH

- NAPBC Accredited Breast Center
- Dedicated MQSA Accredited Mammography Center
- Breast Imaging Center of Excellence Awarded by the American College of Radiology
- Digital Mammography/Tomography
- Breast Ultrasound
- Needle Core Biopsies
- Breast MRI
- Certified Mammography Technologists
- Fellowship Trained Radiology Physician Breast Imaging Specialists
- Registered Nurses Certified as Breast Cancer Patient Navigators
- Comprehensive Breast Center
- Pre-Operative Breast Surgery Class
- Beyond Breast Cancer Support Group
- Survivor for Life Program
- Family Education and Support Group
- Clinical Trials
- High Risk Assessment Program/Genetic Testing to Center for Breast Health

PATIENT SUPPORT RESOURCES

- Breast Cancer Support Group
- Family Support Group for Leukemia, Lymphoma, Myeloma
- Patient-Family Library
- Connections Colorectal Cancer Support Group
- Cancer Support Services
- Survivorship
- Counseling
- Financial Counseling
- Dietitian
- Exercise Classes
- Cancer Survivor Retreats

Call (309) 308-0202 for more information on any of the support resources.

2021 CANCER PROGRAM
ANNUAL REPORT

Special thanks to:

James McGee, MD, SM

References:

- OSF HealthCare Saint Francis Medical Center Cancer Registry
- American College of Surgeons Commission on Cancer, National Cancer Database

This report is available online:

osfsaintfrancis.org

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For more information about cancer services and programs at OSF HealthCare Saint Francis Medical Center:
(309) 624-4505

OSF HealthCare Saint Francis Medical Center Directory

James McGee, MD, SM

Radiation Oncology

(309) 655-3258

Cancer Care Unit

(309) 655-7191

Cancer Registry

(309) 655-3734

Center for Breast Health

(309) 683-5522

Home Health Services

(309) 683-7700

Hospice

(309) 683-7700

Cancer Multidisciplinary Clinics

Cancer Support Services

(309) 308-0200

Lymphedema Services

(309) 624-8575

Pastoral Care

(309) 655-2084

Rehabilitation

(309) 624-8575

Social Work Services

(309) 308-0200

St. Jude Midwest Affiliate

(309) 624-4945

Wellness Services

(309) 282-1607

How can you help?

- Personally invest in the OSF HealthCare Cancer Institute campaign and project.
- Be an advocate for patients and the community.
- Help us identify others who may have an interest in supporting transformational cancer care.

For more information, contact:

Lanna Scannell

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HEALTHCARE

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