

# Launching of the Sultan Qaboos Comprehensive Cancer Care and Research Center (SQCCCRC) in the Sultanate of Oman to manage HBP type of cancers

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Submitted Feb 10, 2022. Accepted for publication Feb 28, 2022.

doi: 10.21037/hbsn-2022-03

View this article at: <https://dx.doi.org/10.21037/hbsn-2022-03>

In July 2021 a new governmental cancer center, the *Sultan Qaboos Comprehensive Cancer Care and Research Centre (SQCCCRC)* (Figure 1) open its doors to provide excellent, evidenced-based patient-centered care for cancer patients in the Sultanate of Oman. SQCCCRC is dedicated to treat cancer patients while building an environment to continuously advance clinical and scientific innovation in the treatment of Cancer.

The Center exhibits state-of-the-art facilities delivering leading-edge technology and treatment options pooled with healthcare professionals who are skilled and experienced in treating cancer. It adopts the latest innovative technologies in the diagnosis and treatment of hepato-biliary and pancreatic (HBP) cancers. The readiness of the latest generation of CT-scan and MRI at the Radiology Department of the Center permits a more efficient diagnosis of HBP cancers. The equipments to treat primitive and secondary malignancies of the liver (hepatocellular carcinoma, cholangiocarcinoma, liver metastasis) and pancreas that are available in the Radiotherapy and Radiology Departments of the Center includes two Linear Accelerators, CyberKnife S7, Brachytherapy, MR Linac, Thermal Ablation devices and Radioembolization techniques (embolization and radiation therapy to treat liver cancer).

The surgical facilities including two Operating Theaters, three additional rooms (Endoscopy Unit, Day Care Unit, and the Surgical Unit) are equipped with telecommunication system or network for easy transmission of data and the latest mini-invasive devices for HBP surgeries.



**Figure 1** The *Sultan Qaboos Comprehensive Cancer Care and Research Center*.

The Research Laboratory of the Center includes Molecular Section (DNA Sequencer, Platforms for next generation sequencing, Microarray, Exome Sequencing, Mass Spectrometers, Cell Culture, and Flow Cytometry). All these provides a comprehensive genetic analysis of the

tumor and allows the Center to target and personalize treatment for each patients. The process is guided by a multidisciplinary team discussion, utilizing the latest chemotherapy and immunotherapy drugs.

The *Sultan Qaboos Comprehensive Cancer Care and Research Center* aim to be a pioneering Cancer Center that is trusted worldwide in the field of patient care and scientific cancer research.

It integrates patient care with research, teaching, and learning under one roof and have the capability and facility to participate in international trials and studies.

## Acknowledgments

*Funding:* None.

## Footnote

*Provenance and Peer Review:* This article was commissioned

by the editorial office, *Hepatobiliary Surgery and Nutrition*. The article did not undergo external peer review.

*Conflicts of Interest:* All authors have completed the ICMJE uniform disclosure form (available at <https://hbsn.amegroups.com/article/view/10.21037/hbsn-2022-03/coif>). FP serves as an unpaid editorial board member of *Hepatobiliary Surgery and Nutrition*. The other authors have no conflicts of interest to declare.

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**Cite this article as:** Al Farai A, Al Moundhri M, Panaro F. Launching of the Sultan Qaboos Comprehensive Cancer Care and Research Center (SQCCRC) in the Sultanate of Oman to manage HBP type of cancers. *HepatoBiliary Surg Nutr* 2022;11(2):338-339. doi: 10.21037/hbsn-2022-03