

**Dr. Derick J Christian, MD, FACS**



Derick J. Christian, MD, FACS, Director of Liver and Pancreas Surgery and Surgical Oncology, St. Joseph’s Health, is one of the few hepato-biliary surgeons in the state that is fellowship trained in both hepato-biliary surgery and minimally invasive surgery.

Dr. Christian is a native of Jersey City, NJ. He completed his general surgical residency at the University of Connecticut and then completed a fellowship in minimally invasive and advanced foregut surgery at the Hospital of the University of Pennsylvania. He competed yet another fellowship in Liver and Pancreatic Surgery and advanced foregut surgery/surgical oncology at Methodist Medical Center, Dallas, Texas. Dr. Christian’s area of focus includes application of minimally-invasive techniques to complex benign and malignant diseases of the Liver, Pancreas and Bile duct, as well as General Surgical Oncology.

Dr. Christian serves as Clinical Associate Professor of Surgery at New Jersey Medical School. He remains active in teaching surgical residents at St Joseph’s University Medical Center.

**Dr. Derick J Christian,  
MD, FACS**

**OFFICE LOCATIONS**

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**St. Joseph’s Health**

*Sponsored by the Sisters of Charity of Saint Elizabeth*

**Dr. Derick J Christian:  
Specialized  
Cancer Care**

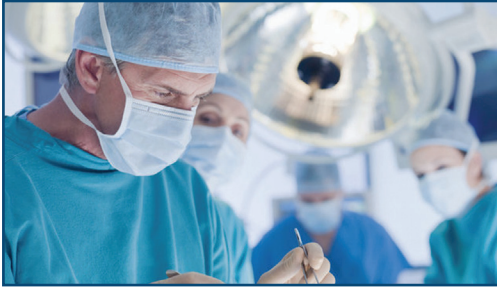


**Cancers and disorders of Liver, Pancreas and Bile duct require special training and a multimodal, multifaceted approach.**



**St. Joseph’s Health**  
ST. JOSEPH’S UNIVERSITY  
MEDICAL CENTER

# Complex Tumors Require Specialized Treatment



We use a comprehensive, multidisciplinary approach to treat all cancers, and specialize in surgical treatment for several types of cancers including:

- Liver
- Pancreas
- Gallbladder
- Bile duct
- Colon/Rectal
- Gastric
- Thyroid
- Parathyroid

Dr. Christian performs the following specialized procedures at St. Joseph's University Medical Center in Paterson, NJ:

- Liver resection
- Bile duct reconstruction
- Splenectomy
- Gastrectomy
- Thyroidectomy
- Pancreas resection
  - o Whipple
  - o Central Pancreatectomy
  - o Distal Pancreatectomy

## HIPEC HYPERThERMIC INTRAPERITONEAL CHEMOPERFUSION FOR ADVANCED TUMORS

**HIPEC** is a surgical technique that is used to treat tumors that are too advanced for surgical removal or that remain confined to a single organ or region of the body.

**HIPEC** is a highly concentrated, heated chemotherapy treatment that is delivered directly to the abdomen during surgery. Unlike systemic chemotherapy delivery, which circulates throughout the body, HIPEC delivers chemotherapy directly to cancer cells in the abdomen. This allows for higher doses of chemotherapy treatment. Heating the solution may also improve the absorption of chemotherapy drugs by tumors and destroy microscopic cancer cells that remain in the abdomen after surgery.

Before patients receive HIPEC treatment, doctors perform cytoreductive surgery to remove visible tumors within the abdomen.

### How does HIPEC work?

A Cytoreductive surgery is accomplished using various surgical techniques. Once as many tumors as possible have been

removed, the heated, sterilized chemotherapy solution is delivered to the abdomen to penetrate and destroy remaining cancer cells. The solution is 41 to 42 degrees Celsius, about the temperature of a warm bath. It's circulated throughout the abdomen for approximately 1 ½ hours. The solution is then drained from the abdomen and the incision is closed. HIPEC is a treatment option for people who have advanced surface spread of cancer within the abdomen, without disease involvement outside of the abdomen.

### Advantages of HIPEC

- Allows for high doses of chemotherapy
- Enhances and concentrates chemotherapy within the abdomen
- Minimizes the rest of the body's exposure to the chemotherapy
- Improves chemotherapy absorption and susceptibility of cancer cells
- Reduces some chemotherapy side effects

