

Pediatric Surgery

Prof. Yoshiaki Kinoshita, M.D., Ph.D.

Our department have been treating many kinds of pediatric surgical diseases, including congenital respiratory diseases, digestive diseases, biliary tract diseases, pediatric solid tumors, or other various diseases. Our basic and clinical research interests are mainly focused on pediatric oncology, pediatric urogenitology and pediatric organ transplantation. Using many kinds of methods, we are promoting research projects.



Research and Clinical interests

1. Immunotherapy for pediatric solid malignant tumors.
2. Basic research of chemoresistance for pediatric malignant tumors
3. Clinical research of persistent cloaca, cloacal exstrophy, and Mayer-Rokitansky-Küster-Häuser syndrome.
4. Translational research of Islet transplantation for type 1 diabetes.

Materials and methods for collaborations

1. Pathological and immunohistochemical analysis
2. Molecular analysis (Western blotting, ELISA, Flow cytometry, real time PCR)
3. Animal model research (transplantation)

Links to additional info

1. [Kinoshita Y, Tanaka S, Souzaki R, Miyoshi K, Kohashi K, Oda Y, Nakatsura T, Taguchi T. Glypican 3 expression in pediatric malignant solid tumors. Eur J Pediatr Surg. 2015 Feb;25\(1\):138-44. https://www.thieme-connect.com/products/ejournals/abstract/10.1055/s-0034-1393961](https://www.thieme-connect.com/products/ejournals/abstract/10.1055/s-0034-1393961)
2. [Kobayashi T, Kubota M, Kinoshita Y, Arai Y, Oyama T, Yokota N, Saito K, Matsuda Y, Osawa M. Epidermal growth factor receptor/heme oxygenase-1 axis is involved in chemoresistance to cisplatin and pirarubicin in HepG2 cell lines and hepatoblastoma specimens. Pediatr Surg Int. 2019 Dec;35\(12\):1369-1378. https://link.springer.com/article/10.1007%2Fs00383-019-04563-5](https://link.springer.com/article/10.1007%2Fs00383-019-04563-5)
3. [Kubota M, Osuga Y, Kato K, Ishikura K, Kaneko K, Akazawa K, Yonekura T, Tazuke Y, Ieiri S, Fujino A, Ueno S, Hayashi Y, Yoshino K, Yanai T, Iwai J, Yamaguchi T, Amae S, Yamazaki Y, Sugita Y, Kohno M, Kanamori Y, Bitoh Y, Shinkai M, Ohno Y, Kinoshita Y. Treatment guidelines for persistent cloaca, cloacal exstrophy, and Mayer-Rokitansky-Küster-Häuser syndrome for the appropriate transitional care of patients. Surg Today. 2019 Dec;49\(12\):985-1002. https://link.springer.com/article/10.1007%2Fs00595-019-01810-z](https://link.springer.com/article/10.1007%2Fs00595-019-01810-z)