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Treatment options for localised renal cell carcinoma of the transplanted kidney

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Abstract

Currently, there is no consensus among the transplant community about the treatment of renal cell carcinoma of the transplanted kidney. Until recently, graftectomy was universally considered the golden standard, regardless of the characteristics of the neoplasm. Due to the encouraging results observed in native kidneys, conservative options such as nephron-sparing surgery (enucleation and partial nephrectomy) and ablative therapy (radiofrequency ablation, cryoablation, microwave ablation, high-intensity focused ultrasound, and irreversible electroporation) have been progressively used in carefully selected recipients with early-stage allograft renal cell carcinoma.

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Surgical resection remains the only known curative treatment for localized renal cell carcinoma, and it is also used improve outcome or for palliation in metastatic disease. Targeted therapy and immunomodulatory agents are considered standard of care in patients with metastatic disease.

What are the treatment options for renal cell cancer (RCC)?

www.medscape.com/answers/281340-92710/what-are-the-treatment-options-for-renal-cell-canc...

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Trend of Surgical Treatment of Localized Renal Cell Carcinoma

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6326554>

Renal cell carcinoma (RCC) is among the 10 most common cancers in both men and women (> 60,000 new cases per year, lifetime risk approximately 1.6%), with RCC comprising approximately 9 of 10 **kidney** cancers.¹ Although radical nephrectomy was the standard of care in the past, the increased use of partial nephrectomy (PN) has correlated with the ...

Cited by: 2

Author: Ramzi B Jabaji, Heidi Fischer, Tyler Kern,...

Publish Year: 2019

SEOM clinical guideline for treatment of kidney cancer (2017)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5785618>

Nov 13, 2017 · **Surgery** is the treatment of choice for localized renal cell cancer. **Partial nephrectomy** (**nephron-sparing surgery**) is indicated in tumors smaller than 7 cm if technically feasible. This approach is associated with better long-term preservation of renal function and similar **oncological outcomes** than **radical surgery**.

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Renal cell carcinoma is a kidney cancer that originates in the lining of the proximal convoluted tubule, a part of the very small tubes in the kidney that transport primary urine. RCC is the most common type of kidney cancer in adults, responsible for approximately 90–95% of cases. RCC occurrence shows a male predomiance over women with a ratio of 1.5:1. RCC most commonly occurs between 6th and 7th decade of life.

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Author: Zhi-Wen Luo, Han-Tsing Wang, Ning ... **Publish Year:** 2019

[Zebrafish Seizure Model Identifies p,p'-DDE as the ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2854733>

The addition of PCBs, HCH, chlordane, and PBDEs at concentrations that co-occur with DDT did not alter the effect of p,p'-DDE to enhance **chemical-induced seizures in zebrafish**. These results indicate that p,p'-DDE accounts for the major toxic activity of fetal sea lion contaminants that lead to greater sensitivity to domoic **acid seizures**.

Cited by: 16 **Author:** Jessica A. Tiedeken, John S. Ramsdell

Publish Year: 2009

[The developing utility of zebrafish models of neurological ...](#)

<https://www.sciencedirect.com/science/article/pii/S0014488617302467>

The most common and well-characterized **epilepsy model** in this species is an N-Ethyl-N-nitrosourea (ENU)-**induced model** of Dravet syndrome, a disorder which involves 3 gene mutations (scn1, scn8, and hcn1) and presents as a severe early-onset childhood **epilepsy** with intellectual incapacity, drug-resistant **seizures** and unexpected deaths (Marini et ...

Cited by: 70 **Author:** Barbara D. Fontana, Nathana J. Mezzom...

Publish Year: 2018

[\[PDF\] Zebrafish Seizure Model Identifies p'-DDE as the Dominant ...](#)

www.otterproject.org/wp-content/uploads/2012/07/...

exposure of **zebrafish embryos** increases the sensitivity and the manifestation of **seizure behavior induced** by domoic acid after brain maturation (Tiedeken and Ramsdell 2009). The body concentration of