

# Smoking ups risk of some renal cell cancer histological subtypes

August 17 2015

---



(HealthDay)—Smoking is a risk factor for clear cell and papillary renal cell carcinoma, but not for the chromophobe subtype, according to a study published in the September issue of *The Journal of Urology*.

Neel H. Patel, M.D., from the State University of New York in Buffalo, and colleagues examined the correlation between smoking and [renal cell carcinoma](#) subtype. Data were collected from 816 patients with nonfamilial renal cell carcinoma (705) or benign pathology (111) undergoing nephrectomy.

The researchers found that 51 percent of patients reported smoking, including 21 percent active smokers and 30 percent former smokers. Compared with benign histology, active smoking was more common

with clear cell or papillary cell carcinoma (23 and 26 percent, respectively, versus 14 percent; P smoking history was also less common with chromophobe versus clear cell or papillary histology (26 percent versus 53 percent [ $P = 0.003$ ] or 58 percent [ $P = 0.001$ ]). For clear cell and papillary histologies, but not chromophobe histology, independent associations with [active smoking](#) persisted after multivariable adjustment (odds ratios, 2.2 and 2.4, respectively; both P

"These findings underscore distinct carcinogenic mechanisms underlying the various renal cell carcinoma subtypes," the authors write.

**More information:** [Abstract](#)  
[Full Text \(subscription or payment may be required\)](#)

Copyright © 2015 [HealthDay](#). All rights reserved.

Citation: Smoking ups risk of some renal cell cancer histological subtypes (2015, August 17)  
retrieved 2 May 2024 from  
<https://medicalxpress.com/news/2015-08-ups-renal-cell-cancer-histological.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.