



Hello Kidney

Autoimmune Clues to Kidney Cancer

Rheumatoid Arthritis (RA) and Lupus (SLE)

=> 2x kidney cancer risk

FRANKS AL, SLANSKY JE. Multiple Associations Between a Broad Spectrum of Autoimmune Diseases, Chronic Inflammatory Diseases and Cancer. *Anticancer Research*. 2012;32(4):1119-1136.



Genetic Load in SLE

~100 genetic markers for Lupus

LANGFELD CD, AINSWORTH HC, VYSE TJ. Transancestral mapping and genetic load in systemic lupus erythematosus. *Nature Communications*. 2017.

Lupus Markers Associated with Kidney Cancer

TNFSF4

ITGAM

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TCGA Data Portal Exploration

NIH NATIONAL CANCER INSTITUTE
GDC Data Portal [Home](#)

Cases Genes Mutations «

▼ Gene ? ↺

- ☑ TNFSF4
- ☑ ITGAM

← Clear Disease Type IS Kidney Renal Papillary Cell Carcinoma AND

Primary Site IS Kidney AND Gene IN (TNFSF4 ITGAM)

☐ Case ID	Project	Primary Site	Gender	Files	Available Files per Data Category							# Mutations	# Genes
					Seq	Exp	SNV	CNV	Meth	Clinical	Bio		
☐ TCGA-GL-7773	TCGA-KIRP	Kidney	Male	32	4	5	16	4	1	1	1	1	1
☐ TCGA-IA-A83S	TCGA-KIRP	Kidney	Male	32	4	5	16	4	1	1	1	1	1
☐ TCGA-B1-A657	TCGA-KIRP	Kidney	Male	32	4	5	16	4	1	1	1	1	1
☐ TCGA-SX-A7SS	TCGA-KIRP	Kidney	Male	32	4	5	16	4	1	1	1	1	1

Reduce Cancer Risk by Taming Autoimmune

Key to Longevity and Healthspan