

Study Name: Molecular Epidemiology of Bladder Cancer and Prostate Cancer Principal Investigators: Zuo-Feng Zhang	Institution: University of California in Los Angeles (UCLA) Institution address: UCLA Center for Environmental Genomics UCLA School of Public Health 71-225 CHS, Box 951772 650 Charles Young Drive, South Los Angeles, CA 90095-1772 310-825-8418 (Office)
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Key References: Cao W, et al. Cancer. 2005 Dec 1;104(11):2400-8. Hung RJ, J Urol . 2006 Sep;176(3):1192-7. Yang YC, et al.Br J Cancer. 2006 Dec 4;95(11):1455-8.	Additional researchers:
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Study Design: Hospital-based Case-control ICD-0-3 morphology codes: 81203, 81303, 80703, 81403	Matching factors: Un-matched Follow up of cases? Yes	Country: U.S.A. Expected time of follow-up? 60-120 months
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Urinary Bladder ICD-0-3 morphology codes: Transitional cell carcinoma (81203); Papillary carcinoma (81303); Squamous cell carcinoma (80703); Adenocarcinoma (81403); Leiomyosarcoma (88903)

	Cases	Controls
Years of enrollment	1993-1997	1993-1997
Source population	MSKCC, hospital	MSKCC, hospital
Response rate (enrolled/eligible)	94.6%	91.9%
Total number enrolled	229	204
Subjects with DNA	170	158
Ethnic origin	97.1% Caucasian	97.5% Caucasian
Age: mean (range)	64.9	42.2
Gender: % males	82.9%	76.6%

Questionnaire data	Cases	Controls
Demographics (age, sex, ethnicity, region, education etc..)	x	x
Active smoking	x	x
Passive smoking (only for non smokers-ex smokers)	x	x
Occupational exposures	x	x
Residential history	x	x
Water chlorination byproducts		
Arsenic exposure	x	x
Other environmental exposures	x	x
Hair dye use (available after follow up)	x	x
Drug use (available after follow up)		
Medical History (available after follow up)	x	x
Family History	x	x
Quality of life		
Diet/nutrition	x	x
Caffeine intake	x	x
Fluid intake	x	x
Urine pH measurements		
Other information, please specify (alcohol, tea, soft drinks; diuresis)	Alcohol, physical activities, pain relievers, etc	Alcohol, physical activities, pain relievers, etc

Biological Samples	Cases	Controls
Blood DNA	x	x
Buccal DNA		
Serum/plasma	x	x
Cryopreserved whole blood / lymphocytes		
Red blood cells	x	x

Urine samples	
Toenail clippings	
Others, please specify	
Paraffin tissue blocks	
Frozen tissue	X

For Cases Only

Information at time of diagnosis

Histological confirmation	X
Number of tumors (available after follow up)	X
Tumor site	X
Tumor size	X
Tumor grade	X
Growth pattern	
Treatment of primary tumor	
Stage	
Other information, please specify	

Follow-up information

Treatment information	
Tumor recurrence	
Tumor progression	
Survival	X
Histological confirmation	
Number of tumors	
Tumor site	
Tumor size	
Tumor grade	
Growth pattern	
Stage	
Active smoking	
Occupational exposures	
Drug use	
Medical History	
Quality of life	
Caffeine intake	
Fluid intake	
Other information , please specify (as above)	