

**Study Name:**  
M.D. Anderson Bladder Cancer Study

**Institution:**  
The University of Texas M. D. Anderson Cancer Center

**Principal Investigators:**  
Xifeng Wu

**Institution address:**  
1515 Holcombe Blvd, Houston, TX 77030

**Key References:**  
**PMID**

Wu X. et al. 2009 Nat Genet 41 (9) 991-5.  
Wu X. et al. 2007. J Clin Oncol 25 (31): 4974-81.

**Additional researchers:**

**Study Design:**  
Hospital based Case-Control  
**ICD-0-3 morphology codes:**  
189.8

**Matching factors:**  
Age, gender, ethnicity  
**Follow up of cases? Yes**

**Country:**  
USA  
**Expected time of follow-up?**

Urinary Bladder ICD-0-3 morphology codes: Transitional cell carcinoma (81203); Papillary carcinoma (81303); Squamous cell carcinoma (80703); Adenocarcinoma (81403); Leiomyosarcoma (88903)

	Cases	Controls
<b>Years of enrollment</b>	1999-2009	1999-2009
<b>Source population</b>	M.D. Anderson Hospital	Houston Metropolitan Area
<b>Response rate (enrolled/eligible)</b>	92%	77%
<b>Total number enrolled</b>	1542	1610
<b>Subjects with DNA</b>	1542	1610
<b>Ethnic origin</b>	Caucasian 91.8% Hispanic 3.8% African American 3.5% Other 0.9%	Matched to cases
<b>Age: mean (range)</b>	63.4 (18-89)	62.5 (21-89)
<b>Gender: % males</b>	79.1%	77.4%

Questionnaire data	Cases	Controls
Demographics (age, sex, ethnicity, region, education etc..)	x	x
Active smoking	x	x
Passive smoking	x	x
Occupational exposures	x	x
Residential history	-	-
Water chlorination byproducts	-	-
Arsenic exposure	-	-
Other environmental exposures	x	x
Hair dye use	x	x
Drug use	-	-
Medical History	x	x
Family History	x	x
Quality of life	-	-
Diet/nutrition	x	x
Caffeine intake	-	-
Fluid intake	x	x
Urine pH measurements	-	-
Other information, please specify	-	-

Biological Samples	Cases	Controls
Blood DNA	x	x
Buccal DNA	-	-
Serum/plasma	x	x
Cryopreserved whole blood / lymphocytes	-	-
Red blood cells	-	-
Urine samples	-	-
Toenail clippings	-	-
Others, please specify	-	-

Paraffin tissue blocks	-
Frozen tissue	-

### For Cases Only

#### Information at time of diagnosis

Histological confirmation	X
Number of tumors	-
Tumor site	-
Tumor size	X
Tumor grade	X
Growth pattern	-
Treatment of primary tumor	X
Stage	X
Other information, please specify	-

#### Follow-up information

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