

Study Name:
The Los Angeles-Shanghai Bladder Cancer Study

Institution:
USC/Norris Comprehensive Cancer Center
University of Minnesota Cancer Center

Principal Investigators:
Ronald K. Ross (deceased, now Malcolm C. Pike)
USC

Institution address:
USC/Norris Cancer Center
1441 Eastlake Avenue
Los Angeles, California 90089

Jian-Min Yuan, subcontract to University of
Minnesota

University of Minnesota Cancer Center
1300 South Second Street, Suite 300
Minneapolis, Minnesota 55454

Key References:
(1) Int J Cancer 2004 110: 417; (2) Carcinogenesis 2003
24: 1645; (3) Eur J Epidemiol 2003 18: 659; (4) CEBP
2003 12: 503; (5) Carcinogenesis, 24: 483-489, 2003; (6) J
Natl Cancer Inst 2001 93: 538; (7) Int J Cancer 2001 91
575; (8) Br J Cancer 2000 82: 1364.

Additional researchers:
University of Minnesota: Mimi C. Yu
USC: J. Esteban Castelao, David Conti,
Victoria Cortessis, Manuela Gago-Dominguez,
Mariana Stern, Duncan Thomas,
David Van Den Berg

Study Design: Population based Case-
Control

Matching factors: Age, gender, sex

Country: United States and China

ICD-0-3 morphology codes: -

Follow up of cases?-

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
Years of enrollment	LA: 1988-1999 Shanghai: 1996-1999	LA: 1988-1999 Shanghai: 1996-1999
Source population	LA: non-Asian residents of Los Angeles County, California Shanghai: Han Chinese residents of city of Shanghai	LA: non-Asian residents of Los Angeles County, California Shanghai: Han Chinese residents of city of Shanghai
Response rate (enrolled/eligible)	LA: 70% (1671/2384) Shanghai: 83% (622/749)	LA: 69% 1 st and 31% ≥2 nd eligible controls Shanghai: 84%
Total number enrolled	LA: 1671 Shanghai: 622	LA: 1568 Shanghai: 610
Subjects with DNA	LA: 723 Shanghai: 545	LA: 760 Shanghai: 537
Ethnic origin	LA: 92.3% non- Hispanic white 4.3% Hispanic white 3.3% African American 0.1% Native American Shanghai: Han Chinese	
Age: mean (range)	LA: 56 (25-69) Shanghai:	LA: 56 (25-69) Shanghai:
Gender: % males	LA: 78.6% Shanghai: 79%	LA: 78.0% Shanghai: 77%

Questionnaire data	Cases	Controls
Demographics (age, sex, ethnicity, region, education etc..)	X	X
Active smoking	X	X
Passive smoking among lifelong nonsmokers	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	X	X
Medical History	X	X
Family History	X	X
Quality of life	-	-
Diet/nutrition	X	X
Caffeine intake (incomplete coverage?)	X	X
Fluid intake (incomplete coverage?)	X	X
Urine pH measurements	X	X
Other information, use of hormone for women only	X	X

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	X	X
Toenail clippings	-	-
Others, please specify	-	-
Paraffin tissue blocks	X	
Frozen tissue	-	

For Cases Only

Information at time of diagnosis	
Histological confirmation	-
Number of tumors	-
Tumor site	-
Tumor size	-
Tumor grade	-
Growth pattern	-
Treatment of primary tumor	-
Stage	-
Other information, please specify	-
Follow-up information	
Treatment information	-
Tumor recurrence	-
Tumor progression	-
Survival	-
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	-