

**Study Name:**  
Brescia bladder cancer case-control study

**Institution:**  
Institute of Occupational Health, University of Brescia,  
Italy

**Principal Investigators:**  
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**Key References:**  
Hung RJ. et al. *Carcinogenesis*. 2004 Jun;25(6):973-8.  
Hung RJ. et al. *Int J Cancer*. 2004 Jul 1;110(4):598-604.  
Hung RJ. et al. *Cancer Epidemiol Biomarkers Prev*. 2004  
Jun;13(6):1013-21.

**Additional researchers:**  
Cecilia Arici, Marcello Campagna, Angela Carta,  
Donatella Placidi, Antonio Scotto di Carlo

**Study Design:** Hospital-based case  
control

**Matching factors:** Age, gender,  
and hospital of admission

**Country:** Italy

**ICD-0-3 morphology codes:**  
8010/2, 8050/3, 8070/3, 8120/2,  
8120/3, 8130/2, 8130/3, 8246/3,  
8560/3

**Follow up of cases?**  
Yes (from 2007)

**Expected time of follow-up?**  
64 -120 months

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>	1997-2000	1997-2000
<b>Source population</b>	Province of Brescia	Province of Brescia
<b>Response rate (enrolled/eligible)</b>	93%	97%
<b>Total number enrolled</b>	216	220
<b>Subjects with DNA</b>	200	214
<b>Ethnic origin</b>	100% Caucasian	100% Caucasian
<b>Age: mean (range)</b>	63 (22-80)	63 (22-79)
<b>Gender: % males</b>	100	100

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	x	x
Arsenic exposure	-	-
Other environmental exposures	x	x
Hair dye use (available after follow up)	x	-
Drug use (available after follow up)	x	-
Medical History (available after follow up)	x	-
Family History	-	-
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)	x	x

Biological Samples	Cases	Controls
Blood DNA	x	x
Buccal DNA	-	-
Serum/plasma	x	x
Cryopreserved whole blood / lymphocytes	x	x
Red blood cells	x	x
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 (available after follow up)	X
Tumor site	X
Tumor size	-
Tumor grade	X
Growth pattern	X
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	X
Tumor size	X
Tumor grade	X
Growth pattern	X
Stage	X
Active smoking	X
Occupational exposures	X
Drug use	X
Medical History	X
Quality of life	-
Caffeine intake	X
Fluid intake	X
Other information , please specify (as above)	X