

Study Name: Lutherstadt Wittenberg Bladder Cancer Study (LWBCS)	Institution: Leibniz Research Centre for Working Environment and Human Factors (IfADo)
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Key References: Golka K. et al: <i>J. Toxicol. Environ. Health Part A</i> 2008 71:881-6 Zimmermann A. et al: <i>J. Toxicol. Environ. Health Part A</i> 2008 71:911-4	Additional researchers: Silvia Selinski, IfADo Meinolf Blaszkewicz, IfADo Matthias Hermes, IfADo

Study Design: Hospital based Case-Control	Matching factors: Gender, age, hospital	Country: Germany
ICD-0-3 morphology codes: Transitional cell carcinoma (according to ICD 10)	Follow up of cases? Yes	Expected time of follow-up? At least 114 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
Years of enrollment	Dec 1995-Jan 1999	Jul 2000-Apr 2005
Source population	1 hospital	1 hospital
Response rate (enrolled/eligible)		
Total number enrolled		
Subjects with DNA	216	211
Ethnic origin	German	German
Age: mean (range)	67 (20-93)	67 (29-91)
Gender: % males	186	175

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

Biological Samples	Cases	Controls
Blood DNA	X	X
Buccal DNA	-	-
Serum/plasma	-	-

Cryopreserved whole blood / lymphocytes	-	-
Red blood cells	-	-
Urine samples	-	-
Toenail clippings	-	-
Others, please specify	-	-
Paraffin tissue blocks	Asked	
Frozen tissue	-	

For Cases Only

Information at time of diagnosis

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

Follow-up information

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