

Study Name:
Leeds Bladder Cancer Study (Molecular Epidemiology of DNA repair and Bladder Cancer)

Institution: Gray Institute for Radiation Oncology and Biology

Principal Investigators:
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Key References:
Sak SC, Barrett J, Paul A, Bishop DT, Kiltie AE (2005)
British Journal of Cancer 92:2262-2265.
Sak SC, Barrett JH, Paul AB, Bishop DT, Kiltie AE (2006)
Cancer Epidemiology Biomarkers and Prevention
15:2537-41.

Additional researchers:
D Tim Bishop, CR-UK
Jennifer H Barrett, CR-UK
Sei Chung Sak, now NHS
Alan B Paul, NHS

Study Design: Hospital-based case control	Matching factors: Age and gender	Country: UK
ICD-0-3 morphology codes: 81203	Follow up of cases? Yes	Expected time of follow-up? Currently 3-5 years

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	2002-ongoing	2002-2004
Source population	County of West Yorkshire UK	County of West Yorkshire UK
Response rate (enrolled/eligible)	900/1100	Approx 80%
Total number enrolled	1100	900
Subjects with DNA	1100	900
Ethnic origin	98.5% Caucasian	98.5% Caucasian
Age: mean (range)	72.8 years	71.9 years
Gender: % males	71%	65%

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

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	x	-
Frozen tissue	-	-

For Cases Only

Information at time of diagnosis	
Histological confirmation	X
Number of tumors	X
Tumor site	X
Tumor size	X
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	-
Fluid intake	-
Other information , please specify	-