

# EPOPA - Cohort of patients overexposed during a course of conformal radiotherapy for a prostate adenocarcinoma in Jean Monnet Hospital in Epinal

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## General

### Identification

Detailed name Cohort of patients overexposed during a course of conformal radiotherapy for a prostate adenocarcinoma in Jean Monnet Hospital in Epinal

Sign or acronym EPOPA

CNIL registration number, number and date of CPP agreement, AFSSAPS (French Health Products Safety Agency) authorisation

CNIL

### General Aspects

Medical area Cancer research  
Nuclear medicine

Health determinants Iatrogenic  
Occupation

Keywords doses, irradiated tissues, overexposure, complications, iatrogenic effects, dosimetry

### Scientific investigator(s) (Contact)

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## Collaborations

## Funding

Funding status Public

Details Programme hospitalier de recherche clinique

## Governance of the database

Sponsor(s) or organisation(s) responsible APHP

Organisation status Public

## Additional contact

## Main features

### Type of database

Type of database Study databases

Study databases (details) Cohort study

Database recruitment is carried out by an intermediary A selection of health institutions and services

Database recruitment is carried out as part of an interventional study No

Additional information regarding sample selection. Prospective Inclusion cut-off date: 01/12/2009

### Database objective

Main objective To correlate received doses and volume of irradiated normal tissues in the cohort of patients who underwent overexposure of varying degrees, as well as complications observed with biologic, phenotypic and genetic data. The incidence and severity of iatrogenic effects and sequelae of radiotherapy (according to soma-lent and CTCAE scales) are correlated using a precise reconstruction of actual irradiation dosimetry received by each patient (total radiation dose prescribed and issued by daily controls) according to technical dossier data and system treatment planning. Secondary objective: to gather biological collections from blood samples (serum bank, DNA bank, lymphocytes) to correlate iatrogenic complications and radiation doses to normal tissues with biologic, phenotypic and genetic data. These collections will be used to: - identify factors associated with susceptibility to radiation-induced complications in normal tissues; - study radiation fibrosis biology; - study normal tissue radiosensitivity: rectal wall; - study the biological control dose-response relationship for prostate adenocarcinoma; - implement radiogenic fibrosis treatment protocols.

Inclusion criteria Patients treated for a prostate adenocarcinoma in the radiation department of the Jean Monnet Hospital between 2000 and 2006.

### Population type

Age	Adulthood (19 to 24 years) Adulthood (25 to 44 years) Adulthood (45 to 64 years) Elderly (65 to 79 years) Great age (80 years and more)
Population covered	Sick population
Gender	Male Woman
Geography area	Departmental
French regions covered by the database	Alsace Champagne-Ardenne Lorraine
Detail of the geography area	Epinal Hospital, Vosges department
<b>Data collection</b>	
<b>Dates</b>	
Date of first collection (YYYY or MM/YYYY)	09/2008
<b>Size of the database</b>	
Size of the database (number of individuals)	< 500 individuals
Details of the number of individuals	120 sujets inclus avec recueil sanguin / 120 with blood sample selection 409 patients concernés, dont 29 sont décédés / 409 concerned with 29 deaths
<b>Data</b>	
Database activity	Data collection completed
Type of data collected	Clinical data Declarative data Biological data
Clinical data (detail)	Direct physical measures Medical registration
Declarative data (detail)	Face to face interview
Biological data (detail)	Blood samples
Presence of a biobank	Yes

Contents of biobank	Serum Plasma Fluids (saliva, urine, amniotic fluid, ?) Tissues DNA
Details of biobank content	Serum bank, plasma bank, DNA bank, lymph bank and tissue bank (for patients who have had a rectum amputation).
Health parameters studied	Health event/morbidity Health event/mortality Health care consumption and services
Care consumption (detail)	Medical/paramedical consultation
<b>Procedures</b>	
Data collection method	Interviews: manual input from a paper questionnaire Clinical examinations: handwritten
Participant monitoring	Yes
Details on monitoring of participants	Duration: 5 years
Links to administrative sources	No
<b>Promotion and access</b>	
<b>Promotion</b>	
Link to the document	<a href="http://tinyurl.com/HAL-EPOPA">http://tinyurl.com/HAL-EPOPA</a>
Description	List of publications in HAL
Link to the document	<a href="http://tinyurl.com/Pubmed-EPOPA">http://tinyurl.com/Pubmed-EPOPA</a>
Description	List of publications in Pubmed
<b>Access</b>	
Terms of data access (charter for data provision, format of data, availability delay)	To be decided if data may be used by academic teams. Data may not be used by industrial teams.
Access to aggregated data	Access on specific project only
Access to individual data	Access on specific project only