

# COLT - Cohort in lung transplantation

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Last update : 06/12/2013 | Version : 2 | ID : 60154

## General

### Identification

Detailed name Cohort in lung transplantation

Sign or acronym COLT

CNIL registration number, number and date of CPP agreement, AFSSAPS (French Health Products Safety Agency) authorisation  
CNIL : 911142 ; CPP n°2009-R4 le 24/02/2009 ;  
Afsapps : B90121-60

### General Aspects

Medical area Pneumology

Pathology (details) Lung transplantation

Health determinants Genetic

Keywords Lung Transplantation, Chronique Lung Allograft dy

### Scientific investigator(s) (Contact)

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Organization INSERM / CHU DE

### Collaborations

Participation in projects, networks and consortia Yes

Details	Participation to the SysCLAD European Project Participation to the ENCE network
Funding	
Funding status	Mixed
Details	PHRC NATIONAL 2009 ASSOCIATION VAINCRE LA MUCOVISCIDOSE AGENCE DE BIOMEDECINE INSERM RESEAUX
Governance of the database	
Sponsor(s) or organisation(s) responsible	CHU DE NANTES
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 cohort
Database objective	
Main objective	Highlight predictive factors of the occurrence of chronic lung allograft dysfunction by immunologic, transcriptomics, genomics and proteomics approaches applied to blood and in situ samples performed on patients.
Inclusion criteria	Men and women aged over 18 years who are on the waiting list for lung or cardiopulmonary transplantation or included the day of transplantation, and who give their written informed consent.

Population type	
Age	Adulthood (19 to 24 years) Adulthood (25 to 44 years) Adulthood (45 to 64 years) Elderly (65 to 79 years)
Population covered	Sick population
Gender	Male Woman
Geography area	International
Detail of the geography area	Multicentric cohort including the 11 French centers for transplantation and the Erasme center in Brussels (Belgium)
Data collection	
Dates	
Date of first collection (YYYY or MM/YYYY)	09/2009
Date of last collection (YYYY or MM/YYYY)	09/2017
Size of the database	
Size of the database (number of individuals)	[500-1000[ individuals
Details of the number of individuals	1000 patients included pre-transplantation, from which 750 transplanted patients
Data	
Database activity	Current data collection
Type of data collected	Clinical data Biological data
Clinical data (detail)	Direct physical measures Medical registration
Details of collected clinical data	Clinical examination before trnasplantation and post-transplantaiton every 6 months. Data collected : medical history, concomitant medications, bacterial and viral colonization, episodes of rejection, infections, respiratory function, transplantation complication, immunology, survival

Biological data (detail)	A each visit, blood sample for immunological, genomic, and transcriptomic analysis will be collected. According to practices of each centers, induced sputum, Exhaled Air Condensate will also be collected. Broncho Alveolar fluids and transbronchial biopsies will be collected according to the habits of each center.
Presence of a biobank	Yes
Contents of biobank	Whole blood Serum Plasma Blood cells isolated Fluids (saliva, urine, amniotic fluid, ?) DNA DNAc/RNA Others
Details of biobank content	Biobank: Plasma Bank, Serum Bank, PBMC DNA, RNA, transbronchial biopsy, supernatant of induced sputum, exhaled air condensate, broncho-alveolar liquid
Health parameters studied	Health event/morbidity Health event/mortality
<b>Procedures</b>	
Data collection method	Manual entry of information collected during medical examination from paper questionnaires, clinical examinations with double input: Direct input Laboratory tests: direct entry
Participant monitoring	Yes
Details on monitoring of participants	5 years follow-up
Links to administrative sources	Yes
Linked administrative sources (detail)	Agence de Biomedecine Database. Exchanges twice a year
<b>Promotion and access</b>	
<b>Promotion</b>	
Link to the document	<a href="http://www.ncbi.nlm.nih.gov/pubmed/?term=COLT+AND+Magnan+A[author]">http://www.ncbi.nlm.nih.gov/pubmed/?term=COLT+AND+Magnan+A[author]</a>
Description	List of publications in Pubmed

## Access

Terms of data access (charter for data provision, format of data, availability delay)

Possible data use by academic teams via approval of the Scientific Council of the cohort. Data can be used by industry via approval of the Director committee of the cohort.

Access to aggregated data

Access on specific project only

Access to individual data

Access on specific project only