

# Use of bronchoalveolar lavage enzyme-linked immunospot as a diagnostic measurement of bird fancier's lung.

Published: 18-04-2011

Last updated: 03-05-2024

Primary endpoint: Measuring lymphocyte response in patients with suspected pulmonary bird fancier's lung by ELISPOT technique.

<b>Ethical review</b>	Approved WMO
<b>Status</b>	Recruitment stopped
<b>Health condition type</b>	Allergic conditions
<b>Study type</b>	Observational invasive

## Summary

### ID

NL-OMON34215

### Source

ToetsingOnline

### Brief title

BAL Immunologic Response to Determine pigeon fancier's lung disease / BIRD

### Condition

- Allergic conditions
- Lower respiratory tract disorders (excl obstruction and infection)

### Synonym

bird fancier's lung, extrinsic allergic alveolitis

### Research involving

Human

### Sponsors and support

**Primary sponsor:** Diaconessenhuis Utrecht

**Source(s) of monetary or material Support:** stichting wetenschappelijk onderzoek diaconessenhuis Utrecht

## Intervention

**Keyword:** BIRD, Bird Fancier's lung, Bronchoalveolair lavage, Enzymlinked immunospot

## Outcome measures

### Primary outcome

Measuring the ELISPOT response to cells obtained from BAL fluid in patients with clinically strong suspicion " bird fancier lung"

### Secondary outcome

not applicable

## Study description

### Background summary

From previous studies in patients with active pulmonary tuberculosis shows that the lymphoid cells in the BAL fluid present strongly react to tuberculosis specific antigens. This makes the researchers want to be seen whether the same phenomenon occurs in pigeon fanciers lung. Bird fancier's lung is a so called extrinsic allergic alveolitis. Characteristic for this deviation is a greatly increased number of lymphocytes in BAL fluid. In one patient we already demonstrated this hypothesis to be feasible.

### Study objective

Primary endpoint:  
Measuring lymphocyte response in patients with suspected pulmonary bird fanciers lung by ELISPOT technique.

### Study design

Pilotstudy:  
10 of pigeon fanciers lung disease suspected patients and 10 patients who have to undergo a bronchoscopy with BAL for other reasons.  
Open study, laboratory assays (ELISPOT and precipitines) will be blinded.

### Study burden and risks

Bronchoscopy is relatively easily to undergo. There seems to be a relationship between age and tax to exist.  
There is a risk for fever, infection and bleeding after bronchoscopy with bronchoalveolar lavage.

## Contacts

### Public

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Bosboomstraat 1  
3508 TG Utrecht  
NL

### Scientific

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## Trial sites

### Listed location countries

Netherlands

## Eligibility criteria

### Age

Adults (18-64 years)

Elderly (65 years and older)

### Inclusion criteria

All patients with suspicion of pigeon induced bird fancier's lung.

### Exclusion criteria

Patients < 18 years and mentally impaired patients  
Patients who use corticosteroids or other immunosuppressive for the bronchoscopy.  
Patients who can't read and sign the informed consent.  
Patients in who BAL is technically impossible or contraindicated

## Study design

### Design

Study type:	Observational invasive
Intervention model:	Other
Allocation:	Non-randomized controlled trial
Masking:	Open (masking not used)
Control:	Active
Primary purpose:	Diagnostic

### Recruitment

NL	
Recruitment status:	Recruitment stopped
Start date (anticipated):	01-11-2011
Enrollment:	20
Type:	Actual

## Ethics review

Approved WMO	
Date:	19-04-2011
Application type:	First submission
Review commission:	METC Isala Klinieken (Zwolle)

## Study registrations

## Followed up by the following (possibly more current) registration

No registrations found.

## Other (possibly less up-to-date) registrations in this register

No registrations found.

## In other registers

Register	ID
ClinicalTrials.gov	NCT01237145
CCMO	NL33463.075.10