

# Syalogram in chronic fatigue syndrome

<b>Submission date</b> 09/04/2009	<b>Recruitment status</b> No longer recruiting	<input checked="" type="checkbox"/> Prospectively registered
		<input type="checkbox"/> Protocol
<b>Registration date</b> 20/04/2009	<b>Overall study status</b> Completed	<input type="checkbox"/> Statistical analysis plan
		<input type="checkbox"/> Results
<b>Last Edited</b> 20/04/2009	<b>Condition category</b> Musculoskeletal Diseases	<input type="checkbox"/> Individual participant data
		<input type="checkbox"/> Record updated in last year

## Plain English summary of protocol

Not provided at time of registration

## Contact information

### Type(s)

Scientific

### Contact name

Dr Antoni Fernandez Sola

### Contact details

Paseo Manuel Girona, 23  
Edificio San Odon  
Clinica CIMA  
Barcelona  
Spain  
08034  
[antoni.fernandez@cimaclinic.com](mailto:antoni.fernandez@cimaclinic.com)

## Additional identifiers

### Protocol serial number

218/09

## Study information

### Scientific Title

The syalogram: utility of a biochemical test for evaluation of salival alterations in chronic fatigue syndrome (CFS) and other related diseases

### Acronym

Syalogram in CFS

## **Study objectives**

In chronic fatigue syndrome (CFS) salivary disorders are common. Xerostomia, burning mouth, gingivitis and mucosal ulcers are clinical presentations of salivary disorders.

## **Hypothesis:**

We have developed an easy biochemical salivary test to determine pH, sodium (Na), potassium (K), proteins and cortisol concentrations, and the volume/minute of salivary secretion: the syalogram. We want to standardise it as a reliable method of testing salivary function. We want to find the alterations of the salivary function in patients with chronic fatigue syndrome (CFS) /myalgic encephalomyelitis (ME), fibromyalgia (FM), Sjögren's syndrome and other related diseases.

## **Ethics approval required**

Old ethics approval format

## **Ethics approval(s)**

Center for Applied Medical Research (CIMA) Clinic committee gave approval (ref: 23/2009)

## **Study design**

Interventional non-randomised non-controlled clinical descriptive study

## **Primary study design**

Interventional

## **Study type(s)**

Screening

## **Health condition(s) or problem(s) studied**

Chronic fatigue syndrome/fibromyalgia/Sjögren's syndrome

## **Interventions**

Collection of one sample of saliva for biochemical test and one sample for volume/minute determination. There is no follow-up and the duration of each test is under one minute.

## **Intervention Type**

Other

## **Phase**

Not Applicable

## **Primary outcome(s)**

Concentration of Na, K, cortisol, proteins, pH.

## **Key secondary outcome(s))**

Volume/minute of saliva secreted.

## **Completion date**

30/08/2011

## **Eligibility**

**Key inclusion criteria**

1. Chronic fatigue syndrome (CFS), fibromyalgia (FM), Sjögren's syndrome or sicca syndrome
2. One of the following symptoms: xerostomia, burning mouth, mucosal ulcers
3. No age range, either sex

**Participant type(s)**

Patient

**Healthy volunteers allowed**

No

**Age group**

Other

**Sex**

All

**Key exclusion criteria**

Does not meet inclusion criteria

**Date of first enrolment**

01/05/2009

**Date of final enrolment**

30/08/2011

**Locations****Countries of recruitment**

Spain

**Study participating centre**

Paseo Manuel Girona, 23

Barcelona

Spain

08034

**Sponsor information****Organisation**

Foundation for Fibromyalgia and Chronic Fatigue Syndrome (Spain)

**ROR**

<https://ror.org/03p4nrj93>

# Funder(s)

## Funder type

Research organisation

## Funder Name

Foundation for Fibromyalgia and Chronic Fatigue Syndrome (Fundacion para la Fibromialgia y el Síndrome de Fatiga Crónica) (Spain)

# Results and Publications

## Individual participant data (IPD) sharing plan

## IPD sharing plan summary

Not provided at time of registration

## Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
<a href="#">Participant information sheet</a>	Participant information sheet	11/11/2025	11/11/2025	No	Yes
<a href="#">Study website</a>	Study website	11/11/2025	11/11/2025	No	Yes