

# Evaluation of preoperative anxiety and fear of anesthesia using Apais score

<b>Submission date</b> 15/02/2018	<b>Recruitment status</b> No longer recruiting	<input type="checkbox"/> Prospectively registered <input type="checkbox"/> Protocol
<b>Registration date</b> 19/02/2018	<b>Overall study status</b> Completed	<input type="checkbox"/> Statistical analysis plan <input checked="" type="checkbox"/> Results
<b>Last Edited</b> 14/09/2018	<b>Condition category</b> Surgery	<input type="checkbox"/> Individual participant data

## Plain English summary of protocol

### Background and study aims

Patients often feel anxiety prior to undergoing surgery. The reason for the anxiety can be both anesthesia used to numb the pain and the actual surgery. The preoperative anxiety that patients have can cause side effects. It is important for the reasons of anxiety to help them in future operations. The aim of this study is to investigate the preoperative patient anxiety and patients fear of anesthesia.

### Who can participate?

Adults aged 18 to 95 who are scheduled to undergo elective surgery.

### What does the study involve?

Participants are asked to fill out a short questionnaire at the anesthesia clinic about their feelings of anxiety prior to undergoing anesthesia. They are asked if they had received anesthesia before, if they have surgical briefing, and the cause of their anxiety.

### What are the possible benefits and risks of participating?

The potential benefit is we can decrease participants anxiety with our interviews. There are no side effects of participating to our study.

### Where is the study run from?

Ahi Evran University Medical Faculty (Turkey)

### When is the study starting and how long is it expected to run for?

February 2016 to July 2017

### Who is funding the study?

Ahi Evran University Medical Faculty (Turkey)

### Who is the main contact?

Professor Ipek Edipoglu (Scientific)  
dripek@yahoo.com

# Contact information

## Type(s)

Scientific

## Contact name

Prof Ipek Saadet Edipoglu

## Contact details

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34020

# Additional identifiers

EudraCT/CTIS number

IRAS number

ClinicalTrials.gov number

## Secondary identifying numbers

study no:2010-05/04

# Study information

## Scientific Title

Evaluation of preoperative anxiety and fear of anesthesia using the Amsterdam preoperative anxiety and information scale score: a prospective cohort stud

## Study objectives

The aim of this study is to investigate how the patient's age, gender, the operation, surgical briefing, type of anesthesia recommended for the operation ahead, patient's prior anesthesia experience affect the patient's anxieties regarding anesthesia and surgery.

## Ethics approval required

Old ethics approval format

## Ethics approval(s)

Ethics Committee of Ahi Evran University on 27/04/2016, ref: 2016-05/04

## Study design

Observational cross sectional cohort study

## Primary study design

Observational

## **Secondary study design**

Cross sectional study

## **Study setting(s)**

Hospital

## **Study type(s)**

Prevention

## **Participant information sheet**

Not available in web format, please use the contact details below to request a patient information sheet

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

Preoperative anxiety and patients' fear of anesthesia

## **Interventions**

Interviews with the patients are performed when they came to anesthesia clinic for preoperative examination, under the supervision of a specialist anesthetist.

For the study, The Amsterdam Preoperative Anxiety and Information Scale (APAIS), which comprises 6 statements, is used. The answers are evaluated in two scales; the anxiety score and the desire for information score. Anxiety score was obtained by calculating the total scores assigned to the expressions "I am worried about the anesthetic", "The anesthetic is on my mind continually", "I am worried about the procedure", "The procedure is on my mind continually", to measure the patient's level of anxiety regarding the anesthesia and surgery. Desire for information score is obtained by calculating the total scores assigned to the expressions "I would like to know as much as possible about the anesthetic" and "I would like to know as much as possible about the procedure" to measure the patient's level of desire for information regarding the anesthesia and surgery. Higher scores indicate higher levels of anxiety and desire for information. Answers to the statements were evaluated with Likert Scale. (1-Not at all... ,5-Extremely).

In addition, participants are asked whether they had received anesthesia due to any reason, if so, the type of anesthesia, and whether they received surgical briefing. Which anesthetic method recommended to the patient for the surgery they will undergo in the preoperative anesthesia clinic is recorded. Then, participants are asked about the cause of their anxiety regarding the anesthesia.

## **Intervention Type**

Biological/Vaccine

## **Primary outcome measure**

1. Demographics is measured using the patient notes at the preoperative anesthesia visit
2. Type of anaesthesia patient notes is measured using at the preoperative anesthesia visit
3. Prior experience with anaesthesia patient interviews is measured using at the preoperative anesthesia visit
4. Anxiety regarding anaesthesia is measured using APAIS (Amsterdam preoperative anxiety and information scale) at the preoperative anesthesia visit.

**Secondary outcome measures**

There are no secondary outcome measures.

**Overall study start date**

20/02/2016

**Completion date**

20/07/2017

**Eligibility****Key inclusion criteria**

1. ASA I-III
2. Adult patients who are scheduled to undergo elective surgery in our hospital
3. Adequate language skills for the interview were included in our study
4. 18-95 (all adults)

**Participant type(s)**

Patient

**Age group**

Adult

**Lower age limit**

18 Years

**Upper age limit**

95 Years

**Sex**

Both

**Target number of participants**

600

**Key exclusion criteria**

1. Pediatric patients
2. Patients who did not give consent
3. Patients with mental retardation
4. Alzheimer's disease
5. Dementia or psychiatric disorders
6. Emergency and ASA-IV patients

**Date of first enrolment**

28/05/2016

**Date of final enrolment**

20/05/2017

# Locations

## Countries of recruitment

Türkiye

## Study participating centre

**Ahi Evran University Medical Faculty**

Department of Anesthesiology and Intensive Care Medicine

Kirsehir

Türkiye

40100

# Sponsor information

## Organisation

Ahi Evran University Medical Faculty

## Sponsor details

Department of Anesthesiology and Intensive Care Medicine

Bağbaşı Mahallesi

Şht. Sahir Kurutluoğlu Cd.

Merkez

Kirsehir

Türkiye

40100

## Sponsor type

Hospital/treatment centre

## ROR

<https://ror.org/05rrfpt58>

# Funder(s)

## Funder type

Hospital/treatment centre

## Funder Name

Ahi Evran University Medical Faculty clinical investigations

# Results and Publications

## Publication and dissemination plan

Planned publication in a high-impact peer reviewed journal. Additional documents will not be available.

## Intention to publish date

20/07/2018

## Individual participant data (IPD) sharing plan

The datasets generated during and/or analysed during the current study are/will be available upon request from Dr. Ipek S. Edipoglu at [dripeks@yahoo.com](mailto:dripeks@yahoo.com).

## IPD sharing plan summary

Available on request

## Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
<a href="#">Results article</a>	results	11/09/2018		Yes	No