

# The Integrated Approach of Yoga Therapy for Irritable Bowel Syndrome (IAYT-IBS) study

<b>Submission date</b> 24/11/2013	<b>Recruitment status</b> No longer recruiting	<input type="checkbox"/> Prospectively registered <input type="checkbox"/> Protocol
<b>Registration date</b> 31/12/2013	<b>Overall study status</b> Completed	<input type="checkbox"/> Statistical analysis plan <input type="checkbox"/> Results
<b>Last Edited</b> 31/12/2013	<b>Condition category</b> Digestive System	<input type="checkbox"/> Individual participant data <input type="checkbox"/> Record updated in last year

## Plain English summary of protocol

### Background and study aims

We are carrying out a study of therapeutic effect of yoga in patients with irritable bowel syndrome (IBS) (gut disorder). Our goal is to find if yoga is a viable alternative treatment option to be included for IBS patients. The studys findings should help to include yoga as therapy for IBS patients and to enhance the quality of life in IBS patients.

### Who can participate?

All adults 18 years of age and older with IBS within the southern California region to enroll in the study.

### What does the study involve?

The present study involves postures, breathing control and meditation on physical and emotional symptoms in adults, suffering from IBS. All the participants will be divided randomly into three groups, yoga group, combination group and wait listed control group. All participants will participate in the three assessments at the start (0 week), mid (end of 6 weeks) and the end (end of 12 weeks). Every participant will be in the program for 12 weeks. At the end of the study, we will compare the IBS symptoms severity and quality of life between the groups, specifically yoga and combination groups against the control group.

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

Besides gaining relief from the symptoms of IBS, participants will be learning to better manage these symptoms and causes in the future as the changes comes from within oneself through yoga practices. Participants will be adding to the knowledge about a new long-term approach of IBS management. We hope that this new approach can help in finding a way to reduce the prevalence of IBS. It will also help to reduce the amount of medication to control the symptoms of IBS. The risks are none, when Yoga postures are done correctly. The principal researcher and the team will take every precaution to avoid any kind of wrong postures.

### Where is the study run from?

This study is run from the White Memorial Medical Center (WMMC), Los Angeles, USA.

When is the study starting and how long is it expected to run for?  
Recruitment started in late 2012 and is expected to run for 2 years.

Who is funding the study?  
Vivekananda Yoga Research Foundation- Los Angeles (VYASA-LA) is funding the project.

Who is the main contact?  
Dr Senthamil Selvan, senthamils59@gmail.com  
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## Contact information

**Type(s)**  
Scientific

**Contact name**  
Dr Senthamil Selvan

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## Additional identifiers

**Protocol serial number**  
IAYT-IBS-001

## Study information

**Scientific Title**  
A randomized controlled study to determine whether the integrated approach of yoga therapy is effective in managing/reducing the symptoms of irritable bowel syndrome patients

**Acronym**  
IAYT-IBS

**Study objectives**  
It is hypothesized that the integrated approach of yoga therapy will benefit the irritable bowel syndrome (IBS) patients in reducing the severity of IBS symptoms and improving quality of life compared to a wait-list control group.

Null hypothesis: there will be no difference in the severity of IBS symptoms and quality of life in the yoga and combination groups compared to the wait-list control group.

**Ethics approval required**  
Old ethics approval format

**Ethics approval(s)**

## **Study design**

Three groups, three time assessments, randomized controlled trial

## **Primary study design**

Interventional

## **Study type(s)**

Treatment

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

Irritable bowel syndrome

## **Interventions**

The study will involve 75 IBS patients aged 18 and older, female/male, to complete the study. They will be randomized into one of the three groups: Yoga group, Combination group and Wait-listed Control group. Participation will be for 3 months (12 weeks).

Yoga group: will participate in three, one hour long, yoga classes a week, for 12 weeks. They are also asked to voluntarily reduce their medication to three times a week.

Combination group: will participate in three, one hour long, yoga classes a week for 12 weeks. They can take their medication as directed by their physician.

Wait-listed Control group: will continue with their medication and are encouraged to walk three times a week.

All groups will come for three assessments: baseline (before starting the study period, 0 week), mid assessment (end of 6 weeks) and post assessment (end of 12 weeks).

## **Intervention Type**

Other

## **Phase**

Not Applicable

## **Primary outcome(s)**

1. Irritable Bowel Syndrome Symptom Severity Score (IBS-SSS)
2. Irritable Bowel Syndrome Quality of Life (IBS-QOL)

Time points of measurements: 0 weeks (base line), 6 weeks (mid) and 12 weeks (end).

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

1. Hospital Anxiety and Depression Scale (HADS)
2. Autonomic Nervous System Symptom Score (ANS-SS)
3. Body Mass Index
4. Physical Flexibility - hip and trunk
5. Physical Flexibility shoulder
6. ANS - Sympathetic Reactivity Hand Grip test (4 minutes)

7. ANS - Sympathetic Reactivity Mental Math test (5 minutes)
8. ANS - Parasympathetic Reactivity Deep Breathing test (3 minutes)
9. ANS - Parasympathetic Reactivity 30:15 (standing from a lying down position)

Time points of measurements: 0 weeks (base line), 6 weeks (mid) and 12 weeks (end).

**Completion date**

31/10/2014

## Eligibility

**Key inclusion criteria**

1. IBS patients, male and female adults 18 years of age and older
2. Consent to participate in the study
3. Not enrolled in any other alternative medical program
4. Not practiced yoga in the last 6 months

**Participant type(s)**

Patient

**Healthy volunteers allowed**

No

**Age group**

Adult

**Lower age limit**

18 years

**Sex**

All

**Key exclusion criteria**

1. Physical disability that prevents the patient from doing yoga
2. Pregnancy
3. Mental disability that prevents the patient from doing yoga
4. Any organic bowel disease

**Date of first enrolment**

01/11/2012

**Date of final enrolment**

31/10/2014

## Locations

**Countries of recruitment**

United States of America

**Study participating centre**  
11722 Farina St  
Norwalk  
United States of America  
90650

## **Sponsor information**

### **Organisation**

Vivekananda Yoga Research Foundation - Los Angeles (Vivekananda Yoga Anusandhana Samsthana - Los Angeles) (USA)

## **Funder(s)**

### **Funder type**

Other

### **Funder Name**

Vivekananda Yoga Research Foundation - Los Angeles (Vivekananda Yoga Anusandhana Samsthana - Los Angeles) (USA)

## **Results and Publications**

### **Individual participant data (IPD) sharing plan**

### **IPD sharing plan summary**

Not provided at time of registration