

Characterization of spleen motion and anatomy using imaging and sensors

Status: Recruiting

Eligibility Criteria

Age: 18 years and over

This study is also accepting healthy

Healthy Volunteers: volunteers

Inclusion Criteria:

- at least 18 years old

Exclusion Criteria:

- individuals who have had a splenectomy - people with breathing difficulties and/or individuals for whom short breath holds and modification of breathing patterns is difficult or uncomfortable - unable to maintain five body positions: sitting, sitting with a 45 degree recline, laying on back (supine), laying on right side, and laying face down (prone) comfortably and independently - unable to speak and read English

Conditions & Interventions

Conditions:

Digestive & Liver Health

Keywords:

Imaging, Spleen

More Information

Description: This research is being performed to examine how the spleen moves during breathing in various body positions and breathing conditions. Physical measurements of the participant's body will be recorded (weight, height, and body dimensions) and then noninvasive recordings of the spleen and breathing patterns will be recorded. The spleen motion will be measured using standard abdominal ultrasound imaging, and breathing will be measured with accelerometers (small devices about the size of a quarter that measure the movement of the chest during breathing).

Contact(s): Spleen Imaging Study - spleenimagingstudy@gmail.com

Principal Investigator: Hubert Lim

IRB

Number: STUDY00013252

System ID: 35044

Thank you for choosing StudyFinder. Please visit <http://studyfinderstaging.umn.edu> to find a Study which is right for you and contact sfinder@umn.edu if you have questions or need assistance.