

## Main

Note: This record shows only 22 elements of the WHO Trial Registration Data Set. To view changes that have been made to the source record, or for additional information about this trial, click on the URL below to go to the source record in the primary register.

**Register:** ChiCTR  
**Last refreshed on:** 18 April 2017  
**Main ID:** ChiCTR-OOC-16008263  
**Date of registration:** 2016-04-11  
**Prospective Registration:** Yes  
**Primary sponsor:** General Hospital of Tianjin Medical University  
**Public title:** Effect of hydrogen inhalation on postoperative cognitive dysfunction (POCD) in elderly patients in Department of orthopedics  
**Scientific title:** Effect of hydrogen inhalation on postoperative cognitive dysfunction (POCD) in elderly patients in Department of orthopedics  
**Date of first enrolment:** 2016-03-16  
**Target sample size:** N/P/A:60;  
**Recruitment status:** Recruiting  
**URL:** <http://www.chictr.org.cn/showproj.aspx?proj=12727>  
**Study type:** Observational study  
**Study design:** Case series  
**Phase:** Other

## Countries of recruitment

China

## Contacts

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## Key inclusion &amp; exclusion criteria

Inclusion criteria: 1. patients older than 75 years;  
2. ASA I-III grade;  
3. The patients were to be operated in the department of orthopedics under the anesthesia of lumbar anesthesia or epidural anesthesia or nerve block;  
4. operation time was more one hours;  
5. Patients have fully understood the nature of the study, voluntarily participated in this trial and signed the informed consent form.  
Exclusion criteria: 1. There are now or once patients with central nervous system diseases;  
2. once accepted department of neurosurgery surgery;  
3. patients with active liver disease;  
4. patients taking sedative drugs or antidepressants during the study period;  
5. suffering from severe visual or hearing impairment or inability to understand mandarin;  
6. the same neuropsychological scales have been exposed;  
7. already had COPD before surgery;  
8. poor compliance or fail to complete the test according to the research plan;  
9. clinical trials of other drugs in the past 4 weeks;  
10. for any reason, the researchers think there is any situation that is not suitable for the selected.

Age minimum:

Age maximum:

Gender: Both

## Health Condition(s) or Problem(s) studied

postoperative cognitive dysfunction (POCD)

## Intervention(s)

N/P/A:hydrogen inhalation;

## Primary Outcome(s)

MMSE;SOD;IL-6;

## Secondary Outcome(s)

## Secondary ID(s)

## Source(s) of Monetary Support

General Hospital of Tianjin Medical University

## Secondary Sponsor(s)

## Ethics review

## Results

## Results available:

## Date Posted:

## Date Completed:

## URL:

