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	s record show	vs only 22 elemen	nts of the WH	10 Tn	ial Registi	ration Dat	a Set. To	view c	hanges that h	ave been ma	ade t	to the source red	ecord, or for additional information about this trial, click on the URL below to go to th	ne	
		imary register.	ChiC	ChiCTR											
Register: Last refreshed on:				18 April 2017											
Main ID:				ChiCTR-OOC-16008263											
Date of registration:				2016-04-11											
-				Yes											
Prospective Registration: Primary sponsor:				General Hospital of Tianjin Medical University											
Public title:										anitive dvs	sfun	ction (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	2016-03-16											
Target sample size:			N/P/A	N/P/A:60;											
Recruitment status:			Recru	Recruiting											
URL:			http://	http://www.chictr.org.cn/showproj.aspx?proj=12727											
Study type:				Observational study											
Study design:				Case series											
Phase:			Other	Other											
Countries of recruitment															
Contacts	China														
Name:		(in Koliana								Name:		Mana	a Puwi		
Address		(ie Keliang 54 Anshan roa	ad. Hepina	, Heping District, Tianjin, China						Address:		-	g Ruyi Anshan road, Heping District, Tianjin, China 300052		
Telephone: +86 1533211209										Telepho			13116076303		
Email: mzk2011@126.c			.com	om						Email:		ruyiwa	vang36@163.com		
Affiliatio	al of Tianji	of Tianjin Medical University						Affiliatio	n:	Gene	eral Hospital of Tianjin Medical University				
Key inclusion & 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 form 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: Age maximum:															
Gender: Health C		s) or Problem	(s) studie	d											
		itive dysfunctio	. ,												
Intervention(s)															
N/P/A:hy	/drogen inh	nalation;													
Primary	Outcome	(s)													
MMSE;SOD;IL-6;															
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General Hospital of Tianjin Medical University Secondary Sponsor(s)															
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Date Posted: Date Completed: URL:

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