Impact of vitamin D deficiency on prognosis of patients with novel coronavirus pneumonia (COVID-19)

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Registration number:	ChiCTR2000029732
Date of Last Refreshed on:	2020-02-12
Date of Registration:	2020-02-10
Registration Status:	Prospective registration
Public title:	Impact of vitamin D deficiency on prognosis of patients with novel coronavirus pneumonia (COVID-19)
English Acronym:	
Scientific title:	Impact of vitamin D deficiency on prognosis of patients novel coronavirus pneumonia (COVID-19)
The registration number of the Partner Registry or other register:	

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Applicant postcode:		Study leader's postcode:	
Applicant's institution:	West China Hospital, Sichuan University		

Approved by ethic committee:	Yes		
Approved No. of ethic committee:	2020年 审（128）号	Approved file of Ethical Committee:	
Name of the ethic committee:	Clinical Trial Ethics Committee, West China Hospital of Sichuan University		
Date of approved by ethic committee:			
Contact Name of the ethic committee:	Yurong Han, Yunyun Zhao		
Contact Address of the ethic committee:	Room 412-413, Old 8th Teaching Building, West China Hospital, Sichuan University, 37 Guoxue Lane, Wuhou District, Chengdu, Sichuan, China		
Contact phone of the ethic committee:		Contact email of the ethic committee:	

Primary sponsor:	West China Hospital, Sichuan University
Primary sponsor's address:	37 Guoxue Lane, Wuhou District, Chengdu, Sichuan, China

Secondary sponsor:

Country:	China	Province:	Sichuan	City:	Chengdu
Institution hospital:	West China Hospital, Sichuan University	Address:	37 Guoxue Lane, Wuhou District		

Source(s) of funding:	Science and Technology Department of Sichuan Province
Target disease:	novel coronavirus pneumonia (COVID-19)

Target disease code：	
Study type：	Observational study
Study phase：	0
Objectives of Study：	Relationship between serum vitamin D levels and clinical prognosis in patients with novel coronavirus pneumonia.
Description for medicine or protocol of treatment in detail：	
Study design：	Factorial
Inclusion criteria	1. Aged >= 18 years. 2. Patients who meet the diagnostic criteria of suspected cases of pneumonia caused by novel coronavirus infection.
Exclusion criteria：	1. Patients without any clinical and chest imaging findings; 2. Supplementation with vitamin D or calcium within one week before admission 3. Patients with severe failure with chronic organ dysfunction; 4. Malignant tumors; diseases of the immune system; radiation and chemotherapy. 5. Pregnancy: The pregnancy test is positive for women of childbearing age; the breastfeeding women have not stopped breastfeeding.
Study execute time：	From2020-02-10To 2020-04-10

Interventions：

Group：	Vitamin D deficiency group	Sample size：	104
Intervention：	N/A	Intervention code：	
Group：	Vitamin D normal group	Sample size：	52
Intervention：	N/A	Intervention code：	

Countries of recruitment and research settings：

Country：	China	Province：	Sichuan	City：
Institution hospital：	Affiliated Hospital of North Sichuan Medical College	Level of the institution：	Tertiary hospital	
Country：	China	Province：	Hubei	City：
Institution hospital：	Zhongnan Hospital of Wuhan University	Level of the institution：	Tertiary hospital	
Country：	China	Province：	Anhui	City：
Institution hospital：	2nd hospital of Wuhu City	Level of the institution：	Tertiary hospital	
Country：	China	Province：	Sichuan	City：
Institution hospital：	Central Hospital of Mianyang	Level of the institution：	Tertiary hospital	

Outcomes：

Outcome：	ROX index	Type：	Primary indicator
Measure time point of outcome：		Measure method：	
Outcome：	length of stay	Type：	Secondary indicator
Measure time point of outcome：		Measure method：	
Outcome：	the rate of transfer to critical ill patients	Type：	Secondary indicator
Measure time point of outcome：		Measure method：	
Outcome：	length of stay in ICU	Type：	Secondary indicator
Measure time point of outcome：		Measure method：	
Outcome：	28-day mortality	Type：	Secondary indicator
Measure time point of outcome：		Measure method：	
Outcome：	complication	Type：	Secondary indicator
Measure time point of outcome：		Measure method：	

Collecting sample(s) from participants:	Sample Name:	Blood	Tissue:	
	Fate of sample:	Destruction after use	Note:	

Recruiting status:	Not yet recruiting	Participant age:	Min age years Max age years
		Gender:	Both

Randomization Procedure (please state who generates the random number sequence and by what method):	Nil
Blinding:	N/A
The time of sharing IPD:	Within six months after the trial complete
The way of sharing IPD"(include metadata and protocol, If use web-based public database, please provide the url):	Private
Data collection and Management (A standard data collection and management system include a CRF and an electronic data capture:	Electronic collection and management system
Data Managemen Committee:	有/Yes

return list