



## **A Overview ongoing Clinical Trial in Alternative therapy for COVID-19**

**Kamal Shah**

GLA University, Institute of Pharmaceutical Research, MATHURA-281406 (U.P.) INDIA

### **ABSTRACT**

*The COVID-19 pandemic represents the 21 st century global public health crisis. The situation demands a tremendous investigation for curative treatments compilation that may give a clear image. An extensive search was performed on website [www.clinicaltrail.gov](http://www.clinicaltrail.gov), [www.ctri.in](http://www.ctri.in) and <https://pactr.samrc.ac.za/Search.aspx>. The compiled data has the list of trials ongoing up to 21 June 2020 in the field of alternative therapy for prophylactic or treatment of COVID-19. But still not any clinical trial result was reported. Furthermore, clinical trials are being conducted in alternative therapy to get the final drug with efficacy and safety in treating COVID-19.*

**Keywords:** *Ayurveda, Unani, Siddha, Yoga, Homeopathy, Chinese system of medicine, Nutraceutical, phytopharmaceutical, dietary supplements, COVID-19, Treatment*

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### **INTRODUCTION**

The World Health Organisation (WHO) has avowed the coronavirus ailment 2019 (COVID-19) a contagion [1]. We have to think globally to counter the situation. In 2009 H1N1 flu pandemic was reported it is more severe than that. The china had reported bunches of cases of pneumonia in December 2019 then it was analysed and found that it is due to a novel virus named Coronavirus Disease 2019 (COVID-19) by WHO [2]. This was leading to the common cold to prominent unadorned diseases eg Middle East Respiratory Syndrome (MERS-CoV) or Severe Acute Respiratory Syndrome (SARS-CoV). The recent research indicates that this disease can be transmitted between humans while coming in contact with infected secretions [3].. But still the scientist is curious to get the remedies of this situation. The number of clinical trials has been going on to investigate the prospective therapies for COVID-19 prominence. The essential need is to get as quickly as possible high-quality evidence. The alternative therapy systems like Indian System of medicine example Ayurveda, Unani, Siddha, Yoga and Homeopathy. Similarly, Chinese system of medicine, Nutraceutical, Phytopharmaceutical, Herbal medicine, and dietary supplements have great scope in treatment of epidemic diseases.

### **METHOD**

The following websites were searched [www.clinicaltrail.gov](http://www.clinicaltrail.gov) and [www.ctri.in](http://www.ctri.in) and Pan African Clinical Trials Registry [4,5,6] using keywords COVID and corona, and list of various clinical trials going in alternative therapy up to 21 June 2020 was compiled.

### **RESULTS AND DISCUSSION**

Total 126 clinical trials are running in the worlds related to alternative therapy for the management of Covid 19 (Table 1, Table 2 and Table3 ). On the websites [www.clinicaltrail.gov](http://www.clinicaltrail.gov). 27 clinical trials related to the alternative system and [www.ctri.in](http://www.ctri.in), 98 Clinical trials are registered and 1 clinical trial registered at Pan African Clinical Trials Registry. The major number of clinical trials going on formulations/plants like Ashwagandha (*Withania somnifera* ), Guduchi, *Nigella sativa*, Ayush 64, Kabasura kudineer, Honey and Arsenic Album. The phytoconstituents like Artemisinin, Quercetin, Resveratrol, Thymoquinone, curcumin. Phytopharmaceuticals like AP-Bio®/KalmCold® Capsules and AQCH are known for their antiviral and

Immunomodulatory potential. Yoga & Naturopathy protocol for immune boosting and stress management in covid 19. But still not any clinical trial results published by any agency as search on PubMed or Google scholar.

**Table 1:** List of clinical trial going on alternative System of medicine ( www.clinicaltrials.gov)

S.No	Clinical Trail Number	Title of Study	Number of Participant	Natural Product/ Formulation/alternative therapy used
1.	NCT04387240	Evaluating the Efficacy of Artesunate in Adults With Mild Symptoms of COVID-19	22	Artemisinin / Artesunate
2.	NCT04347382	Honey & <i>Nigella Sativa</i> Trial Against COVID-19 (HNS-COVID-PK)	30	Honey & <i>Nigella sativa</i>
3.	NCT04278963	YinhuQingwen Decoction for the Treatment of Mild / Common CoVID-19	300	YinHuQingWen Decoction (Granula) consists of 11 Chinese herbal medicine as Honeysuckle, <i>Polygonum cuspidatum</i> , Schizonepeta, Longspur epimedium, etc.
4.	NCT04310865	YinhuQingwenGranula for the Treatment of Severe CoVID-19	116	YinhuQingwenGranula is a kind of herbal granula made from "YinhuQingwen Decoction", which consists of 11 Chinese herbal medicine as Honeysuckle, <i>Polygonum cuspidatum</i> , Schizonepeta, Longspur epimedium, etc.
5.	NCT04279197	Treatment of Pulmonary Fibrosis Due to 2019-nCoV Pneumonia With FuzhengHuayu	136	N-acetylcysteine+ FuzhengHuayu Tablet
6.	NCT04380870	Describing Chinese Herbal Medicine Telehealth Care for Symptoms Related to Infectious Diseases Such as COVID-19	500	Chinese Herbal Medicine (CHM) has been used in the prevention and treatment of epidemic diseases dating back to the Han, Ming and Qing Dynasties and extending all the way through modern times. CHM formulas may contain plant elements of root, seed, bark, stem or leaf in addition to minerals and other natural substances.
7.	NCT04404218	The Açai Berry COVID-19 Anti-Inflammation Trial (ACAI)	480	Açai palm berry extract - natural product
8.	NCT04291053	The Efficacy and Safety of Huaier in the Adjuvant Treatment of COVID-19	550	Huaier Granule standard treatment + Huaier Granule 20g po tid for 2weeks (Trametesrobiniophilamurr extract granule)
9.	NCT04323228	Anti-inflammatory/Antioxidant Oral Nutrition Supplementation in COVID-19 (ONSCOVID19)	double-blinded controlled trial for 14 days on 30 SARS-CoV-2 positive cases	Dietary Supplement: oral nutrition supplement (ONS) enriched in eicosapentaenoic acid, gamma-linolenic acid and antioxidants the intervention group will receive a commercially available anti-inflammatory/antioxidant ONS, which will be given to patients with COVID-19 in the morning 3 hours after breakfast.

10.	NCT04323332	Traditional Chinese Medicine for Severe COVID-19	50 participants	Traditional Chinese Medicine Prescription Traditional Chinese Medicine Prescriptions have been recommended according to the Guidelines for the treatment of COVID-19 issued by National Health Commission of the PRC.
11.	NCT04323345	Efficacy of Natural Honey Treatment in Patients With Novel Coronavirus	1000 participants	Natural Honey supplement 1gm/kg/day divided into 2 to 3 doses for 14 days either orally or through nasogastric tube.
12.	NCT04323514	Use of Ascorbic Acid in Patients With <b>COVID 19</b>	500 participants	Dietary Supplement: Vitamin C 10 gr of vitamin C intravenously in addition to conventional therapy.
13.	NCT04295551	Multicenter Clinical Study on the Efficacy and Safety of Xiyanning Injection in the Treatment of New Coronavirus Infection Pneumonia (General and Severe)	80 participants	Lopinavir / ritonavir tablets combined with Xiyanning injection Xiyanning injection, 10-20ml daily, Qd, (It is a semi-synthetic injectable product derived from the active component of the plant <i>Andrographis paniculata</i> (Chuan Xin Lian, Xiyanning is primarily composed of 9-dehydro-17-hydro-andrographolide and sodium 9-dehydro-17-hydro-andrographolide-19-yl sulfate.)
14.	NCT04264533	Vitamin C Infusion for the Treatment of Severe 2019-nCoV Infected Pneumonia	140 participants	12g Vitamin C will be infused in the experimental group twice a day for 7 days by the infusion pump with a speed of 12ml/h.
15.	NCT04377789	Effect of Quercetin on Prophylaxis and Treatment of COVID-19	50 participants	Dietary Supplement: Quercetin Prophylaxis Dietary Supplement: Quercetin Treatment
16.	NCT04251871	Treatment and Prevention of Traditional Chinese Medicines (TCMs) on 2019-nCoV Infection	150 participants	Conventional medicines (Oxygen therapy, alfa interferon via aerosol inhalation, and lopinavir/ritonavir) and Traditional Chinese Medicines (TCMs) granules granules: 20g, p.o, bid, for 14 days.
17.	NCT04400890	Randomized Proof-of-Concept Trial to Evaluate the Safety and Explore the Effectiveness of Resveratrol for COVID-19	200 participants	Drug: Resveratrol Resveratrol vs placebo given for 15 days.  Dietary Supplement: Vitamin D3 Vitamin D3 100,000 IU given on day one.
18.	NCT04306497	TCM Differentiation and Treatment Protocol of COVID-19 (TDATPOC)	340	TCM prescriptions1:Take decocted or granule, one dose a day; TCM prescriptions2:Take decocted or granule, one dose a day.
19.	NCT04342689	The Role of Resistant Starch in COVID-19 Infection	1500 participants	Supplement containing resistant starch

20.	NCT04404426	CACOLAC : Citrulline Administration in the Hospital Patient in Intensive Care for COVID-19 Acute Respiratory Distress Syndrome (CACOLAC)	100 participants	Dietary Supplement: L-citrulline
21.	NCT04366180	Evaluation of the Probiotic Lactobacillus Coryniformis K8 on COVID-19 Prevention in Healthcare workers	314 participants	Dietary Supplement: Probiotic
22.	NCT04390477	Study to Evaluate the Effect of a Probiotic in COVID-19	40 participants	Dietary Supplement: Probiotic
23.	NCT04387643	Protecting Health Care Workers During the COVID-19 Outbreak	52 participants	Ayurvedic Kadha
24.	NCT04401202	Nigella Sativa in COVID-19	200 participants	<i>Nigella sativa</i>
25.	NCT04403646	Tannin Specific Natural Extract for COVID-19 Infection (TaCOVID)	140 participants	ARBOX dry extract of polyphenols (tannins) from quebracho and chestnut 240 mg, B12 vitamin 0.72 µg
26.	NCT04381871	Potential Role of Gum Arabic as Immunomodulatory Agent Among COVID 19 Patients (GA&COVID19)	110 participants	Acacia Senegal And Pectin
27.	NCT04421391	QuadraMune(TM) for Prevention of COVID-19	500 participants	QuadraMune(TM) is composed of 4 natural ingredients. Pterostilbene ,Epigallocatechin gallate (EGCG),Sulforaphane , Thymoquinone

**Table 2:** List of clinical trail going on alternative System of medicine in India ( www.ctri.nic.in)

S.No	Clinical Trail Number	Title of Study	Type of Study	Natural Product/ Formulation/alternative therapy used
1.	CTRI/2020/06/025530	Using Homeopathic Combinations for Prevention and Treatment of Viral Fevers including COVID19	Interventional	Use of Homeopathic Medicines in Prophylaxis/ Treatment of Viral Fevers/ COVID19
2.	CTRI/2020/06/025625	Study of the effect of Siddha Treatment in addition to standard therapy in COVID-19 patients	Interventional	1. Kabasurakudineer 2. Bramanandhabairavam
3.	CTRI/2020/06/025558	Homoeopathic Medicines Bryonia alba 30C as a Prophylaxis for COVID-19	Interventional	<i>Bryonia alba</i> 30C

4.	CTRI/2020/06/025844	Pre-Identified Homoeopathic Medicines In Asymptomatic Covid - 19 Individuals Receiving Standard Treatment Protocol	Interventional	Homoeopathic medicine
5.	CTRI/2020/06/025557	A clinical study of Ayurvedic formulations in the treatment of Mild to Moderate COVID-19 patients	Interventional	i)AYUSH-64 ii)Yashtimadhu iii)SanshamaniVati Plus
6.	CTRI/2020/06/025527	Clinical trial on Immunity and antiviral for quarantine patients of COVID-19	Interventional	Amrta Karuna Syrup
7.	CTRI/2020/06/025714	Holistic Health Management through Yoga and Naturopathy for Frontline COVID Health Care Providers – The H2M trial	Interventional	Yoga & Naturopathy
8.	CTRI/2020/06/025861	Scientific evaluation of Immuno-modulatory effects of AYUSH INTERVENTIONS on normal healthy and high-risk individuals in context with COVID-19 pandemic: An open level study	Interventional	AYUSH INTERVENTION - Treatment Protocol - I: AYUSH INTERVENTION - Treatment Protocol - II: AYUSH INTERVENTION - Treatment Protocol - III: AYUSH INTERVENTION - Treatment Protocol - IV: AYUSH INTERVENTION - Treatment Protocol - V: AYUSH INTERVENTION - Treatment Protocol - VI:
9.	CTRI/2020/06/025590	A clinical trial to evaluate safety and efficacy of polyherbal capsule Astha-15 used as an add on therapy with standard care of therapy as an immunity booster in the suspected and COVID-19 diagnosed patients.	Interventional	Astha-15 capsule
10.	CTRI/2020/06/025556	A clinical trial to know the effect of Virulina® along with standard treatment in covid 19 positive patients.	Interventional	Virulina® along with standard treatment protocol
11.	CTRI/2020/06/025561	Effect of Ayurvedic medicine in the Prophylaxis for COVID-19 of AYUSH healthcare workers , Dept of AYUSH, TS & CCRAS-NIIMH, Hyderabad.	Observational	RAKSHA KIT-1
12.	CTRI/2020/06/025761	Population based cross sectional study for COVID 19 prophylaxis with Polyherbal Siddha formulation Kabasura Kudineer / Nilavembu kudineer in containment zones and non containment zones	Observational	Polyherbal Siddha formulation KabasuraKudineer / Nilavembukudineer

		during 2020 pandemic in Tamil Nadu, South India		
13.	CTRI/2020/06/025762	An Open-Label Randomized Controlled, Proof-of-Concept (PoC) Study to Evaluate the Safety and Efficacy of selected Siddha formulations in patients diagnosed with COVID-19	Interventional	Kabasurakudineer; Amukkarachooram; Nelikailegiyum
4.	CTRI/2020/06/025769	A prophylactic interventional study to determine the possible protective effect of Siddha Polyherbal formulation KabasuraKudineer / Nilavembukudineer against the COVID 19 on intermittent, month-long consumption by Highrisk population and frontline workers in Tamil Nadu, India	Interventional	Kabasurakudineer and Nilavembukudineer
5.	CTRI/2020/06/025801	Role of Herbal Immunomodulators in mild COVID-19 confirmed cases	Interventional	Tab. Bresol and Tab. Septilin
6.	CTRI/2020/06/025763	A Randomized controlled Clinical Trial to determine the efficacy of Siddha drugs in COVID 19 patients	Interventional	Kabasurakudineer, Amukrachurnam, Thalisdhichurnam, AdathodaiManappagu
7.	CTRI/2020/06/025592	Use of Herbal Medicine like Tulasi, Amruth (Giloy), Turmeric, Ashwagandha as add on treatment in COVID-19 Patients	Interventional	Immunity Kit
8.	CTRI/2020/06/025702	Clinical Trial On Mildly Symptomatic Covid -19 Patients And Health Care Workers Posted To Covid Wards	Interventional	A.Mulmina™ Mango: It is a immunoboosting drink Mulmina™ Amla Orange: It is a immunoboosting drink
9.	CTRI/2020/06/025855	Effect of AYUSH 64 in COVID 19	Interventional	AYUSH 64
0.	CTRI/2020/06/025650	To assess the safety and outcome of herbal medicine in prevention of COVID-19 infection among high risk population	Interventional	Joshanda (Decoction) and KhameeraMarwareed
1.	CTRI/2020/06/025672	To evaluate the effect of herbal medicine in prevention and management of COVID-19	Interventional	Joshanda (Decoction)
2.	CTRI/2020/06/025671	A clinical trial to evaluate the medicinal efficacy of Ayurvedic Tablet Bhoumya and Tablet Saathmya in COVID-19 positive	Interventional	Tablet Bhoumya Tablet Saathmya

		Patients.		
3.	CTRI/2020/06/025768	An open label Randomized Controlled Clinical trial to Evaluate the Safety and Efficacy of selected Siddha formulations in patients diagnosed with COVID-19	Interventional	Kabaturakudineer, Amukkarachurnam and Nellikaiilagam
4.	CTRI/2020/06/025800	Role of Ayurveda in Covid 19 management.	Interventional	Shunthi and Rasona (Group B) Kashaya Group (Group A)
5.	CTRI/2020/06/025856	Evaluation of siddha regimen in the management of covid 19	Interventional	1.Kabatura kudineer 2.VasanthakusumakaramMathirai 3.Thippili Rasayanam 4.Adathodai Manapagu
6.	CTRI/2020/06/025996	Giloy Gomutra Capsule, Asthichurnaaur Kamdhenu Asava ka vaishvik mahamari Covid-19 par Chikitsakiyaparinam ka Ankalankarnekekiye Adhyayan	Interventional	A Clinical Study on the efficacy of the combination GiloyGaumutra Capsules, AsthiChurna and Kamdhenu Aasava in the Management of the Pandemic-Covid-19- An Open labeled Randomized Clinical Trial
7.	CTRI/2020/06/025874	To observe the effect of Siddha formulation Kabaturakudineer in COVID 19 patients	Interventional	Kabaturakudineer
8.	CTRI/2020/06/025998	Efficacy of An Ayurvedic Preparation Raj NirwanBati (RNB) on symptomatic COVID-19 Patients	Interventional	Raj NirwanBati capsule
9.	CTRI/2020/06/025999	Clinical trial of ShatPlus as an immunomodulator in adult Covid 19 positive patients	Interventional	ShatPlus along with standard treatment
0.	CTRI/2020/06/026002	Study of use of Ayurveda Intervention (Ayush-64) in COVID 19	Interventional	AYUSH 64
1.	CTRI/2020/04/024659	Study of Shreepad Shree Vallabh SSV Formulation to improve immunity in quarantine patients of COVID-19	Interventional	SSV Formulation Tablets
2.	CTRI/2020/04/024857	Proving the efficacy of Homeopathic treatment in prevention and cure of COVID-19.	Interventional	Homeopathy Medicines - Ars Alb, Camphora, Bryonia Alba, Helleborus niger, Justicia Adhatoda.
3.	CTRI/2020/04/024903	To know the effect of test product (AP-Bio®/KalmCold® capsules) in improving the immunity (Ability to protect the body against disease or other potential damaging foreign bodies) in healthy adults.	Interventional	AP-Bio®/KalmCold® Capsules 100mg
4.	CTRI/2020/04/024905	A Clinical Trial to study the effectiveness of Homeopathy as an additional mode of	Interventional	Homeopathic Medicine: Arsenic Album, Bryonia Alba, Gelsemium, AntimoniumTartaricum, CrotalusHorridus

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		treatment in combating Corona Virus infection		
5.	CTRI/2020/04/024947	Clinical trial on effects of homeopathic medicine made from cadamba on COVID-19	Interventional	cadamba drug therapy
6.	CTRI/2020/05/025049	a clinical trial to study the efficacy of homeopathic medicine in prevention and cure of corona virus disease 19	Interventional	ARSENIC ALBUM 30
7.	TRI/2020/04/024925	Homoeopathy as adjuvant in management of coronavirus infection	Interventional	Homoeopathic Medicine
8.	TRI/2020/04/024926	A Clinical Trial to ascertain the effect of Homoeopathic Medicines in prevention of outbreak of symptoms in asymptomatic Corona virus and suspected Corona virus patients	Interventional	Homoeopathic Medicine: Arsenic Album, Bryonia Alba, Gelsemium, Antimonium Tartaricum, Crotalus Horridus
9.	CTRI/2020/05/024969	Homoeopathy as adjuvant in management of Covid-19 infection	Interventional	Homoeopathic medicine
0.	CTRI/2020/05/024986	HOMOEOPATHY IN PREVENTION OF COVID-19	Interventional	Homoeopathic Medicine
1.	CTRI/2020/04/024883	Clinical research on safety and efficacy of ZingiVir-H as an add on therapy in COVID-19 patients.	Interventional	ZingiVir H
2.	CTRI/2020/04/024731	Study to Evaluate Preventive Effect of Ayurveda and Homeopathy Treatment in COVID 19	Interventional	Samshamani Vati, Sudarshan Ghana Vati, Khadiradi Vati, Murrchhita Tila Taila, Aesenic Album 30
3.	CTRI/2020/04/024882	A study to assess the effectiveness of Ayurvedic formulation in addition to standard of care in COVID-19 positive patients in a tertiary hospital.	Interventional	Kashaya (Decoction)
4.	CTRI/2020/05/024981	Clinical study on Dabur Chyawanprash as a preventive remedy in pandemic of Covid-19.	Interventional	Dabur Chyawanprash
5.	CTRI/2020/05/025069	Ayurvedic Interventions in prevention of COVID-19 infection-A survey study	Interventional	Shanshamani Vati or Sudarshana Ghanavati or Ashwagandha
6.	CTRI/2020/05/025088	Study of GUDUCHI TABLET on healthy individuals to prevent covid 19.	Interventional	Guduchi tablet



7.	CTRI/2020/05/025093	Study of effect of Yashtimadhu tablet for the prevention of COVID -19 on healthy individuals.	Interventional	Yashtimadhu tablet
8.	CTRI/2020/05/025161	To study the Effectiveness of herbal formulation - Aayudh Advance as a supplementary treatment for the Corona Virus 2019 (Covid-19) infected patients	Interventional	Herbal formulation - Aayudh Advance
9.	CTRI/2020/05/025171	Ayurveda protocol & COVID-19 exposed individuals: Clinical trial of an Ayurveda Intervention	Interventional	1.Samshamani Vati 2.Anu taila 3.rock salt and turmeric duration
0.	CTRI/2020/05/025166	Study of ASHWAGANDHA TABLET on healthy individuals to prevent covid 19	Interventional	Ashwagandha tablet
1.	CTRI/2020/05/025178	Evaluation of the Immuno-Stimulatory Potential (Shareera Bala) of an Ayurveda Management Protocol in Cohort of Quarantined Delhi Police under Covid-19 Care Centers- An Exploratory Clinical Study	Interventional	Ayurvedic
2.	CTRI/2020/05/025254	To Study effectiveness and outcomes of Unani Medicine prophylactic interventions on population at risk of COVID-19	Interventional	Unani Joshanda (Decoction)and KhameeraMarwareed Unani Joshanda (Decoction)and Tiryqaq-e-Arba
3.	CTRI/2020/05/025162	Effect of pranayama and meditation on psychological well-being of healthcare workers during COVID-19 pandemic.	Interventional	Alternate Nostril Breathing & Guided Meditation
4.	CTRI/2020/05/025332	Ashwagandha for prevention against SARS-CoV-2 Infection: A Randomized Hydroxychloroquine Controlled drug trial in high risk Health Care Providers	Interventional	Ashwagandha (Withania somnifera )
5.	CTRI/2020/05/025182	Siddha interventions prevention to front line workers	Observational	Siddha medicine
6.	CTRI/2020/05/025320	Effect of Yoga & Naturopathy in patients with COVID-19	Interventional	Yoga & Naturopathy immune boosting and stress management protocol
7.	CTRI/2020/05/025213	Ayurveda formulation for COVID-19 prevention	Interventional	Guduchighanvati

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8.	CTRI/2020/05/025205	Arsenicum album - 30 as prophylactic for Covid-19	Interventional	Arsenicum album 30C
9.	CTRI/2020/05/025317	SURVEY OF MOUTH-DISSOLVING TURMERIC LOZENGES IN HEALTHCARE WORKERS	PMS	TURMGEL MOUTH DISSOLVING LOZENGE 100 MG
0.	CTRI/2020/05/025298	Siddha Intervention Population Study.	Interventional	KabasurakudineerNilavembukudineer
1.	CTRI/2020/05/025215	Effectiveness of Siddha medicine, Kabasurakudineer and vitamin c-zinc supplementation in the management of Mild COVID 19 patients.	Interventional	KabasuraKudineer
2.	CTRI/2020/05/025272	A study to assess the efficacy of Homoeopathic medicine in the prevention of Covid-19	Interventional	Arsenicum album 30
3.	CTRI/2020/05/025222	Efficacy of Tablet AOIM - Z in Prevention of COVID - 19 in High Risk Healthy Police Personnel	Interventional	AOIM - Z Tablets
4.	CTRI/2020/05/025156	Effect of Ayurveda intervention AYUSH-64 add-on therapy for patients with COVID-19 infection (Stage I)	Interventional	Group I: Ayurveda intervention AYUSH-64 as add-on to standard treatment
5.	TRI/2020/05/025397	A study to evaluate the effect and safety of a phytopharmaceutical drug in treatment of Coronavirus infection	Interventional	Purified aqueous extract of Cocculushirsutus (AQCH) tablets
6.	CTRI/2020/05/025482	Effect of <b>nutritional</b> supplement made from Haldi and Black Pepper to prevent and treat active corona virus infection	Interventional	Use of tablet curcumin 525 mg with black pepper
7.	CTRI/2020/05/025214	To observe the effect of Ayurvedic medicine for the treatment of COVID-19	Interventional	AYUSH 64
8.	CTRI/2020/05/025334	Protect and prevent onset of COVID like infections in Health Care Workers and High risk person.	Interventional	Ayurvedic SAVED; REIMMUGEN colostrum
9.	TRI/2020/05/025338	Evaluation of Efficacy and Safety of Ayurveda Intervention (Ayush - 64) in the management of COVID-19 infection (Asymptomatic & Mild to Moderate symptoms)	Interventional	Ayush 64
0.	CTRI/2020/05/025385	Research study to evaluate the impact of Selected Ayurvedic interventions in containment zone	Interventional	guduchiGhanVati/SamshamaniVati

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1.	CTRI/2020/05/025398	Study to find out the results of Ayurvedic Kwath & Ashwagandha churna with Yoga exercises to prevent our health workers against corona virus infection.	Interventional	1) Kiratiktadi Kwath (Astadashang Kwath) for 14 days 2) Ashwagandha churna for 14 days 3) Yoga Modalities for 45 minutes
2.	CTRI/2020/05/025490	A Clinical trial to study the efficacy of pH based Integrated SARS Cov-2 Immunity in Human Subjects.	Interventional	1) Clathrin 2) Cholecalciferol 3) Azadirachtaindica Bark extract concoction 4) Arsenicum album 5) theoxanthine, theobromine, theaflavins and polyphenols in tea 6) High pH diet.
3.	CTRI/2020/05/025496	Study to observe safety of CNV01 homeopathy preparation in healthy volunteers	Interventional	homeopathy
4.	CTRI/2020/05/025493	Effect of Ayurvedic medicine in the Prophylaxis for COVID-19 of Police personnel Dept of AYUSH, TS & CCRAS- NIIMH, Hyderabad.	Observational	Ayurvedic
5.	CTRI/2020/06/025526	To observe the impact of Ayurveda Kwath in Healthy and Suspected persons for COVID-19	Observational	Ayurvedic
6.	CTRI/2020/06/025525	Guduchi Ghanavati as a prophylactic measure among population at high risk to SARS-CoV-2 exposure	Interventional	Guduchi Ghanavati
7.	CTRI/2020/05/025275	Role of Chyawanprash in the prevention of COVID-19 in health care workers	Interventional	Ayurveda Rasayana
8.	CTRI/2020/05/025276	effect of Ayurvedic intervention in COVID-19 positive cases	Interventional	Ayurveda Protocol
9.	CTRI/2020/05/025273	Impact of effect of Ayurvedic treatment on novel Corona virus disease	Interventional	Ayurvedic Therapy
10.	CTRI/2020/05/025343	Study results of Ayurvedic treatment on COVID patients using proprietary herbal formulation SAVED and whole colostrum REIMMUGEN.	Interventional	proprietary Ayurvedic SAVED: Whole Colostrum REIMMUGEN
1.	CTRI/2020/05/025335	Efficacy of AYUSH-64 (a polyherbal formulation) in COVID -19 Cases	Interventional	Ayush-64, a polyherbal formulation.
2.	CTRI/2020/05/025326	Tablet PINAK given as treatment to COVID positive patients.	Interventional	Tab PINAK
3.	CTRI/2020/05/025434	A clinical trial to evaluate the Medicinal effects of Zingivir-H as Anti-Viral therapy in COVID-19 patients.	Interventional	Zingivir-H

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4.	CTRI/2020/05/025340	Clinical trial of ShatPlus in SARS-CoV-2 Infection.	Interventional	ShatPlus along with standard treatment
5.	CTRI/2020/05/025341	A study to know the effect of Ayurvedic Kwath (Kiratiktadi Kwath) & Ashwagandha Churna along with yoga exercises in the treatment of COVID-19 Positive patients.	Interventional	1) KiratiktadiKwath 2)Ashwagandha 3) Yoga exercises 4)ImmunoboosterAyushKwath
6.	CTRI/2020/05/025483	Use of Clevira in COVID19 patients	Interventional	CLEVIRA tablet twice daily for 14 days
7.	TRI/2020/05/025425	Ayurvedic intervention (Chyawanprash) in the prevention of COVID-19 pandemic among Health Care Personnel	Interventional	Chayapanprash (an Ayurvedic herbal preparation)
8.	CTRI/2020/05/025429	effect of Ashwagandha (Withaniasomnifera) as a prophylactic measure among high risk population (Health Care Workers/Containment Zone Population) exposed to COVID-19	Interventional	Ashwagandha
89.	CTRI/2020/05/025430	Effect Of Ayurveda Immuno-Modulator Drugs On Health Of Corona Warriors	Observational	Ayurveda
90.	CTRI/2020/05/025484	study on the effect of Chyawanprash Lehyam as a prophylactic measure among high risk population (Health Care Workers/Containment Zone Population) exposed to COVID-19	Interventional	Chywanprashlehyam
1.	TRI/2020/05/025485	the effect of Guduchi (Tinosporacordifolia) as a prophylactic measure among high risk population (Health Care Workers/Containment Zone Population) exposed to COVID-19	Interventional	Guduchi capsule
2.	CTRI/2020/05/025488	Clinical study on Guduchi Ghana Vati as a preventive remedy in pandemic of COVID-19	Interventional	Guduchi Ghana Vati
3.	CTRI/2020/05/025370	Evaluation of Role of Ayurvedic Drug- GuduchiGhanVati in the treatment of COVID-19 related illness	Interventional	GuduchiGhanVati
4.	CTRI/2020/05/025491	The efficacy of Homeopathic medicines in the prevention of COVID-19 in Quarantined or Exposed Individuals	Interventional	1. Arsenic Album 2. Bryonia alba 3.Camphora

95.	CTRI/2020/06/025523	The effect of meditation on well-being of SARS-Cov-2 infected patients.	Interventional	Meditation and breathing exercises
96.	CTRI/2020/06/025559	Evaluation of Siddha herbal formulation, Vipro, in the management of uncomplicated respiratory infections	Interventional	Siddha herbal formulation, Vipro
97.	CTRI/2020/05/025167	Evaluation of Efficacy and Safety of Thymoquinone compared to Best supportive care in Patients with COVID-19	Interventional	Thymoquinone
98.	CTRI/2020/05/024967	Clinical trial on Immunity and antiviral for quarantine patients of COVID-19	Interventional	MyVir tablets

**Table 3:** List of clinical trial going on alternative System of medicine at Pan African Clinical Trials Registry (PACTR)

S.No	Trial ID	Title	
1	PACTR202004761408382	Efficacy and safety of IHP Detox Tea (a special blend of Andrographis paniculata, Garcinia kola and Psidium guajava) for treatment of Corona virus disease 2019 (COVID-19): a pilot randomized trial	IHP Detox Tea (a special blend of Andrographis paniculata, Garcinia kola and Psidium guajava)

### CONCLUSION

We wish that ongoing clinical trials give potential medicine for prophylaxis and therapeutic treatment of Covid19 epidemic.

### COMPETING INTERESTS

The authors declare no competing interest.

### AUTHORS' CONTRIBUTIONS

Specify the contribution to the work and write-up of the manuscript for person listed as author

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