

**GOVERNMENT OF INDIA
MINISTRY OF AYURVEDA, YOGA & NATUROPATHY,
UNANI, SIDDHA AND HOMOEOPATHY
(AYUSH)**

**RAJYA SABHA
UNSTARRED QUESTION NO.167
TO BE ANSWERED ON 20th July, 2021**

COVID-19 TREATMENT UNDER AYUSH PROTOCOL

167 SHRI DEREK O' BRIEN:

Will the Minister of **AYUSH** be pleased to state:

- (a) the details of the progress made in treating COVID-19 affected patients with Ayurveda, Yoga and Naturopathy, Unani, Siddha and Homoeopathy (AYUSH) protocol
- (b) whether there are any records available on the efficacy of AYUSH protocol for treatment as an add on for prophylactic treatment for COVID-19, if so, the details thereof and
- (c) the details of total funds released for the treatment of COVID-19 in AYUSH hospitals?

ANSWER

**THE MINISTER OF STATE OF THE MINISTRY OF AYURVEDA,
YOGA & NATUROPATHY, UNANI, SIDDHA AND HOMOEOPATHY
(SHRI MAHENDRABHAI MUNJAPARA)**

(a): Govt. of India has released “**National Clinical Management Protocol based on Ayurveda and Yoga for management of COVID-19**”. Ministry of Ayush vide D.O letter no.S-16030/13/3030-NAM has also requested the States/UTs Governments to popularise the use of *Kabasura kudineer* and AYUSH-64 in the asymptomatic, mild to moderate COVID-19 patients at isolation centres/ Covid Care Centre / Covid Health Centre, Ayush hospitals/ dispensary and patients in home isolation. The details of the progress made in treating COVID-19 affected patients in respect of National Institutes and Research Councils under the Ministry of Ayush are at **Annexure- I**.

(b): National Institutes and Research Councils under the Ministry of Ayush have conducted various studies to document the role of Ayush intervention including prophylactic and add on treatment. Details of records available on the efficacy of AYUSH protocol for treatment as add on and for prophylactic treatment for COVID-19 are at **Annexure-II**.

(c): Details of total funds released for the treatment of COVID-19 in AYUSH hospitals in respect of Research Councils, National Institutes and Nation AYUSH Mission (NAM) under Ministry of Ayush are at **Annexure –III**.

The details of the progress made in treating COVID-19 affected patients with Ayurveda, Yoga and Naturopathy, Unani, Siddha and Homoeopathy (AYUSH) protocol in respect of Research Councils and National Institutes under Ministry of Ayush are as follows -

1. Central Council for Research in Ayurvedic Sciences (CCRAS)

Under CCRAS, 58423 patients were provided, an Ayurveda formulation developed by AYUSH-64 and 25780 patients were provided the Kabasura Kudineer, a Siddha formulation.

2. All India Institutes of Ayurveda (AIIA), New Delhi

Covid Health Centre was established at All India Institutes of Ayurveda, New Delhi on 18.06.2020 to treat mild to moderate cases of COVID-19. Till date 592 covid patients were admitted in the CHC ward. 99.84% of patients were cured without any complications.

3. National Institute of Ayurveda (NIA), Jaipur

Covid Care Centre was established at Hospital NIA Jaipur in collaboration with Rajasthan Govt. The medicines, Ayush 64 tablets to 13198 persons, Immunity kit comprising Chyavanprash, Ayushkashaya, Jvarahar Capsule to 19000 persons & Guduchi Ghana Vati to 2500 persons were distributed by NIA, Jaipur. Total no. of 98 patients treated with Ayush protocol in NIA COVID Care Centre. Further, Ayush 64 to 3000 COVID positive patients.

4. Institute of Teaching & Research in Ayurveda (ITRA), Jamnagar

Total of 938 patients admitted at Covid Care Centre of ITRA hospital.

5. National Institute of Siddha, Chennai

Siddha Covid Care Centre at NIS has treated 5000 patients. Further, in 2020, the covid care centre managed by NIS at SRM Medical College treated 400 covid cases.

6. North Eastern Institute of Folk Medicine (NEIFM), Pasighat.

Distributions of AYUSH-64 to home-isolated asymptomatic, mild and moderate Covid-19 patients were given. 270 patients were administered with AYUSH-64 till date.

i. Details of Records on the efficacy of Ayush treatment as an add on and prophylactic treatment for covid-19-

Name of the Institute/ Organisation	Sl. no.	Name of the study	Study Centre	Status/ remarks
Central Council for Research in Ayurvedic Sciences	1.	Evaluation of protective potential an Ayurvedic Rasayan (Chyawanprash) in the prevention of COVID-19 among Health Care Personnel – An open label, prospective Randomized controlled parallel group study.	ChaudharyBrah mPrakashAyurve dCharakSansthan , New Delhi	Study Completed.
	2.	Evaluation of the efficacy of an Ayurvedic intervention (Chyawanprash) in prevention of COVID-19 pandemic among Health Care Personnel – An open label single arm prospective study.	Ayurvedic&Una niTibbia College, New Delhi	Study Completed.
	3.	Impact of Ayurvedic Interventions in the prevention of COVID-19 infection in identified containment area of Delhi	Central Ayurveda Research Institute, New Delhi	Study Completed.
	4.	A prospective non-randomized open label controlled interventional study on the effect of GuduchiGhanVati/ SudarshanGhanVati as a prophylactic measure among high risk population (Health Care Workers/ Containment Zone population) exposed to COVID 19	15 CCRAS institutes	Study Completed.
	5.	Impact of Ayurvedic intervention (GuduchiGhanvati) in the containment areas of Himachal Pradesh- a community-based study	Regional Ayurveda Research Institute, Mandi	Study Completed.
	6.	A prospective non-randomized open labeled controlled interventional study on the effect of Ashwagandha (<i>Withaniasomnifera</i>) as a prophylactic measure among high risk population (Health Care Workers/Containment Zone Population) exposed to COVID-19	National Institute of Indian Medical Heritage (NIIMH), Hyderabad	Study Completed.
	7.	A prospective non-randomized open labeled controlled interventional study	National Institute of Indian	Study Completed.

	on the effect of Guduchi (<i>Tinosporacordifolia</i>) as a prophylactic measure among high risk population (Health Care Workers/Containment Zone Population) exposed to COVID-19	Medical Heritage (NIIMH), Hyderabad	
8.	A prospective non-randomized open labeled controlled interventional study on the effect of ChyavanprashLehyam as a prophylactic measure among high risk population (Health Care Workers/Containment Zone Population) exposed to COVID-19	National Institute of Indian Medical Heritage (NIIMH), Hyderabad	Study Completed.
9.	Prospective non randomized open label control interventional study on the effect of AyurvedicRaksha Kit (Chyavanprash, Samsahmanivati&Haritaki) as Prophylactic measure among police personal working in the vicinity of COVID -19 facilities	National Institute of Indian Medical Heritage (NIIMH), Hyderabad	Study Completed.
10.	Prospective non randomized open label control interventional study on the effect of AyurvedicRaksha Kit-1 (Ayush 64, Samsahmanivati&Chyavanprash) as Prophylactic measure among Ayush healthcare workers working in the vicinity of COVID -19 facilities	National Institute of Indian Medical Heritage (NIIMH), Hyderabad	Study Completed.
11.	A prospective open label controlled interventional study on the effect of Ayurvedic intervention (Ayurveda Raksha Kit) as a prophylactic measure in the Pandemic of COVID-19 - A community based study	Through 20 CCRAS institutes under Schedule Caste Sub-Plan project	Study Completed.
12.	A Study of Ashwagandha in the Prophylaxis Against COVID-19 and its benefits on General Health in High Risk Health Care Workers: A Randomized Controlled Comparison with HydroxychloroquineSulphate (HCQS)	DattaMeghe Institute of Medical Sciences, Wardha Central Ayurveda Research Institute, Mumbai Sri Dharmasthala Manjunatheshwara College of	Study Completed.

			Ayurveda & Hospital, Hassan	
Central Council for Research In Unani Medicine (CCRUM)	13.	A study entitled “A prospective, interventional, case-control study to observe and assess the safety and efficacy of Unani regimen in preventing the progression of severity of the disease in hospitalized SARS-CoV2 tested positive asymptomatic/mild to moderate symptomatic COVID-19 cases, managed as per Govt. of India COVID-19 management guidelines, at a COVID-19 management facility Study Site.	-	-
Central Council for Research in Siddha (CCRS), Chennai	14.	A prospective Non-randomized Open label Controlled Interventional study on the effect of Siddha intervention – <i>KabaSuraKudineer</i> (KSK) as a Prophylactic measure among high risk population (Health Care Workers/Containment Zone population) exposed to COVID-19 (Siddhalion)		Completed, Data submitted to DSMB and it is in progress
	15.	A prospective, single centre, randomized open labelled comparative clinical study to evaluate the effectiveness of Siddha medicine, <i>Kabasura kudineer</i> and vitamin c-zinc supplementation in the management of asymptomatic COVID 19 patients. at	Government Stanley Medical College	i. Study Completed. ii. The study protocol have been published in the journal “TRIALS” a springer nature indexed international journal. iii. The study manuscript finalized by the assigned mentor of the Advisory Panel have been communicated to the journal “TRIALS” a springer nature indexed international journal

16.	A Double blinded RCT Namely "A Double Blinded controlled RCT to evaluate the efficacy of <i>NilavembuKudineer</i> and <i>Kabasurakudineer</i> in Symptomatic COVID 19 Patients" was planned as a collaborative study with Govt. Institute of Medical Sciences, Greater Noida and Siddha Clinical Research Unit, New Delhi	Greater Noida and Siddha Clinical Research Unit, New Delhi	i. Study completed ii. A protocol has been published in TRIALS journals iii. The study manuscript finalized by the assigned mentor of the Advisory Panel have been communicated to the journal "TRIALS" a springer nature indexed international journal
17.	A randomized open labelled clinical study to compare the effectiveness of <i>Kabasurakudineer</i> and Vitamin-C Zinc supplementation in the management of asymptomatic SARS-CoV-2 patients at Govt. Theni medical college	Govt. Theni medical college	i. Study completed ii. The study manuscript finalized by the assigned mentor of the Advisory Panel have been Journal of Evidence Based Integrative Medicine(JE BIM)
18.	A prospective, non-randomized, single-arm interventional study to assess the safety and efficacy of Siddha Sasthric Medicines – Fixed Regimen in the prevention of COVID-19 disease progression of asymptomatic, and mild at Siddha COVID Care Centre, Chennai, 2020 (SSM-FiRe)	Siddha COVID Care Centre, Chennai	The study manuscript has been submitted to the mentor for finalization and it is in progress
19.	A prospective, non-randomised, single arm observational study to access the safety and effectiveness of Siddha Sasthric Medicines – Fixed Regimen intervention in prevention of COVID-	Home Quarantine Chennai Containment Zone	Study completed, Manuscript under process

		19 disease progression of severity from COVID-19 Positive asymptomatic, mild or moderate to critical with reference to the Siddha guidelines of COVID-19 management, Ministry of AYUSH, Govt. of India at a Home Quarantine Chennai Containment Zone		
	20.	Awareness and practices regarding COVID-19 related prevention, control and promotive measures among population, Tamil Nadu, India: Cross-sectional study		Study completed, Manuscript under process
	21.	Clinical validation of the “Immune booster” potential of the Siddha medicine drug, Kabasurakudineer (KSK) in asymptomatic contacts of COVID-19 cases: a controlled clinical trial		Ongoing
	22.	An Open labelled RCT to Evaluate the Efficacy and Safety of Siddha Supplement (MAM Granules) along with Standard Allopathy Treatment in the management of RT PCR Positive Pre Symptomatic COVID 19 patients		Ongoing
All India Institute of Ayurveda, New Delhi	23.	AYURRAKSHA project has been launched which is a joint venture of AIIA & Delhi police for maintaining the health of front line workers through Ayurveda immunity boosting measures for prophylactic treatment to 80000 police personnel.	New Delhi	Results were assessed before and after intervention on the overall infection rate of covid-19 among Police Personnel and reductions in rate infection was reported.
Institute of training & Research in Ayurveda (ITRA), Jamnagar	24.	A prospective non-randomized open label controlled interventional study on the effect of Guduchi Ghana Vati as a prophylactic measure among population at high risk to SARS-CoV-2 exposure	i. Institute for Post Graduate Teaching and Research in Ayurveda, Jamnagar ii. Akhandanand Ayurveda Mahavidyalaya, Ahmedabad, Gujarat iii. Govt. Ayurveda College, Vadodara,	i. No. of subjects enrolled- 20000 ii. Study Completed

			Gujarat iv. Sheth J.P. Government AyurvedMahavi dyalaya, Bhavnagar, Gujarat v. State Model Govt. Ayurved College, Kolavada, Gandhinagar, Gujarat	
	25.	Clinical outcome of Ayurved treatment on COVID 19 patients: a retrospective cohort study	i. Samaras centre, Civil Hospital, ii. V.S. Hospital in Ahmedabad city.	i. No. of subjects enrolled- 762 ii. Study Completed
	26.	Efficacy of Ayurveda Intervention (AYUSH 64) as add-on therapy in COVID 19 patients - An open label randomized controlled trial	i. Institute of Teaching and Research in Ayurveda, Jamnagar ii. Guru Govind Singh Hospital, Jamnagar	i. No. of subjects enrolled- 80 ii. Study Completed
NIH	27.	An evaluation on changes in clinical symptoms and laboratory investigations of homoeopathic intervention as an add on therapy in the management of COVID-19 - An open label prospective single arm observational descriptive study” at ESI hospital, Ayanavarm, Chennai, Tamilnadu.	ESI hospital, Ayanavarm, Chennai, Tamilnadu.	i. No. of subjects enrolled- 60 ii. Study Completed
NIUM	28.	A prophylactic study on a decoction of unnab, sapistan, behidana and khamiramarvareed		i. Study Completed ii. NO. of subjects enrolled - 4500

ii. AYUSH Sanjivani mobile app has also been developed by Ministry of AYUSH and has documented the impact assessment of effectiveness, acceptance and usage of AYUSH advisories & measures in the prevention of COVID-19 through Mobile app base population study in around 1.5 crores respondents. 85.1% of the respondents reported use of AYUSH measures for prevention of COVID-19, among which 89.8% respondents agreed to have benefitted from the practice of AYUSH advisory.

Details of total funds released for the treatment of COVID-19 in AYUSH hospitals in respect of Research Councils and National Institutes under Ministry of Ayush are as follows -

A. Research Councils under Ministry of Ayush -

1. Budget of Rs. 36,41,56,933/- was allocated to CCRAS for undertaking prophylactic and treatment studies of Ayurvedic formulations on COVID-19.
2. The total amount of Rs. 63 lakh (Rs 21 Lakhs in 2019-20 and Rs. 42 Lakhs in 2020-21) has been released by CCRUM for COVID-19.
3. Total amount of Rs. 8217268.00 has been spent by CCRH on 05 add on homoeopathy clinical trials in management of COVID-19 conducted at various hospitals.
4. Total amount of Rs. 1,31,00,549/- has been spent by CCRS regarding Covid-19 research / activities.

B. National Institutes under Ministry of Ayush –

1. An amount of Rs. 9,30,12,397/- (Rupees Nine Crore thirty lakh twelve thousand three hundred ninety seven only) has been released to AIIA, New Delhi for conducting International Clinical Trials on Mitigation of Covid-19 through Ayurveda with International partners.
2. Total amount of Rs. 49,10,111/- has been sanctioned for Institute of Teaching and Research in Ayurveda (ITRA), Jamnagar to conduct research studies to deal with COVID-19 pandemic.
3. Rs.50 Lakhs was earmarked by National Institute of Siddha for COVID-19 research studies from the allocated funds during the year 2020-21 and Rs.45 Lakhs has been earmarked from the existing funds for COVID related research for FY 2021-22.
4. Morarji Desai National Institute of Yoga, New Delhi has earmarked total amount of Rs. 70.22 lakhs for the research work.
5. National Institute of Homoeopathy has released total funds of Rs. 30,87,265/- towards research expenses for the F.Y. 2020-21.
6. Amount of 3300641/- concerning the prophylactic care through Immunity kits Rs. 17,60,640/- on AYUSH -64 tablets as prophylactic care, 20,00000/- for project on GiloyGhanvati as an adjuvant therapy for covid care in collaboration with AIIMS Jodhpur, were spent by National Institute of Ayurveda, Jaipur.

C. National AYUSH Mission -

As per the requests received from State/UT Governments regarding utilization of National AYUSH Mission (NAM) funds for purchase of medicines including AYUSH 64 Medicine in the context of Covid-19 pandemic, an amount of Rs. 2271.551 lakhs has been approved by Ministry of Ayush till date.