### Guideline for Siddha Practitioners for COVID-19 Patients in Home Isolation

## Ministry of AYUSH

### **Govt. of India**

#### Preamble

COVID-19 has burdened Indian public health system as like other countries. The absence of any clinical symptoms of COVID-19 termed as asymptomatic holds a vital role in the transmission of the disease. Prevalence of asymptomatic individuals among the COVID-19 infected people is about 40-45%. Asymptomatic and mild symptomatic cases and close contacts of COVID-19 positive cases have been asked to isolate in their home itself.

#### **General Disclaimer**

- This guideline is in addition to the Guideline for Siddha practitioners for COVID-19 by the Ministry of AYUSH, Govt of India
- In all severe cases, immediate referral to a higher medical center as per the Government guidelines is advised.
- Patients with co-morbidities like hypertension, diabetes etc., are advised to continue their respective medications.
- Doses for children should be adjusted according to their age.

(The symbol of snowflake indicates *Thatpa Veeeriyam* with cooling properties,

and symbol of Sun <sup>\*\*</sup> indicates *Veppa Veeriyam* with hot properties. Considering these properties and the symptoms, suitable medicines are to be used.)

#### Management Guidelines for COVID-19 Patients in Home-Isolation

The common clinical features observed in mild COVID-19 cases include sore throat, mild fever, headache, body-ache, nasal congestion, diarrhea & loose stools, nausea & vomiting and dry cough. Although a variety of symptoms are being reported, many cases are asymptomatic, and some uncommon clinical manifestations include loss of smell and taste.

Some of the asymptomatic cases can be in the pre-symptomatic stage. Considering this possibility, the patient should observe evolving symptoms or signs. This watchfulness should not lead to undue anxiety.

Specific measures for COVID-19 Patients in home isolation

Stage/condition	Clinical Presentation	Medicine	Dosage
Asymptomatic COVID-19 Patients		Kaba Sura Kudineer (KSK)* 🌞	5 ml to 60 ml as per the advice of the physician for 14 days
		Amukkara Chooranam Tablet 🌞	500 mg one to two tablets twice daily with warm water for 30 days
		Nellikkai Ilagam 🏁	2 -5 gm twice daily for 30 days
Mild COVID- 19Positive	Fever, Headache, Malaise, Dry Cough, Sore throat, Nasal Congestion, Diarrhea, Nausea & Vomiting	Thalisathi Vadagam (Aiyam / Vali Dominant symptoms) <b>*</b>	500 mg one to two tablets thrice daily with warm water for 30 days
		Adathodai Manappagu 🌟	2 ml to 10 ml for 15 days
		NellikaiIlagam	2 gm to 5 gm for 15 days
		*Kaba SuraKudineer (Aiya dominant symptoms) <b>**</b>	5 ml to 60 ml as per the advice of the physician for 14 days
		Seenthil Chooranam 🇮	1-2 gm twice daily for 15 days

\* To 5 gm of *Kabasura Kudineer* (coarse powder) add 240 ml water and boil and reduce to 60 ml. Filter and drink (within 3 hours of preparation)

Note: Physician may prescribe the above indicated medicines in combination as per his/her own discretion.

Stage / condition	Clinical Presentation	Medicine	Dosage*
	Mild Fever, Headache, Malaise, Fatigue		5 ml to 60 ml as per the Direction off the physician.
		Brahmananda Bairavam tablets	1 to 2 tablets with Honey and Ginger juice. As directed by the physician.
	Cough	<i>Thaleesathi Chooranam</i> with Honey (Aiyam dominant symptoms)	3 gm thrice daily with Honey or as directed by Siddha physician
		<i>Thippili Rasayanam</i> (Aiyam dominant symptoms)	500 mg to 1 gm twice daily or as directed by Siddha physician
	Sore throat	Thaleesathi Vadagam (Aiyam dominant symptoms)	Chew 1-2 pills as required or as directed by Siddha physician
		Athimathura Chooranam (Azhal dominant symptoms)	1-3 gm twice daily with honey or as directed by Siddha physician
	Nasal Congestion, Loss of smell	Manjal kombupugai / Milagu pugai, Oma pottanam, Neerkovai mathirai. <b>Ж</b>	Use as advised by physician.
	Breathing Difficulty	Seenthil Chooranam 🇯	1-2 gm twice daily for 15 days
		SwasaKudori Mathirai 🌟	1-2 Nos twice daily for 15 days
	Diarrhea	Sundai Vatral Chooranam / Thayirchunti Chooranam	2 gm with Buttermilk As directed by the physician
	Nausea & Vomiting	Madhulai Manapagu 🏁	5-10 ml twice daily for 15 days

### Symptomatic management of mild COVID-19 patients

(\* Siddha physician can change the dose and duration considering requirement of the patient.)

# General guideline (Physical distancing, Hand hygiene, and Masks are compulsory in Indoor)

- 1. Patients should follow physical distancing, respiratory and hand hygiene, and wear masks.
- 2. Personal sanitation: *PadigaraNeer* for Handwash, Turmeric water washes for sanitizing hands and legs.
- 3. Environmental sanitation: *Kungiliyam* (*Shorearobusta*), *Sambrani* (*Styraxbenzoin*), *Manjal* (*Curcuma longa*), *Vembu* (*Azadirachta indica*) fumigation is advocated.
- 4. Coarse powder of coriander seeds with palm jaggery made as a decoction and can be taken in the morning for stress management. It is essential for subjects under isolation
- 5. Advised to take oil bath twice a week with medicated oils like *KarisalaiThailam*, *SanthanathyThailam*.
- 6. Nasiyam: *Thumbai poo*, *Thulasi* leave juice for Sore throat and Nasal obstruction
- 7. Pugai: *KandangathiriPugai, MilaguPugaiManjal Kombu Pugai* for rhinitis, nasal obstruction.
- 8. Daily practice of Yogam such as *NaadisutthiPranayamam, Pranayamam, Suriyanamaskaram, Savasanam, Makarasanam, Meenasanam, Arthameenasanam* helps to increase the elasticity of bronchioles as well as rejuvenate the lung tissues and Meditation for at least 30 minutes as advised by the Ministry of AYUSH National Clinical Management Protocol for COVID-19 prophylaxis.
- 9. Varmam: *Thivalai Kalam, Adapa Kalam, Kavuli Kalam, Mudichu Varmam, Sakthi Varmam*, and other energizing Varmam points for immune enhancing, fever and respiratory illness are advised for Self-stimulation by the physician as per the Guidelines for Siddha practitioners for COVID-19 by the Ministry of AYUSH, Govt of India
- 10. Take adequate sleep (7-8 hours) and avoid day time sleep.

#### **Diet Advisory:**

- Foods can be easily digestible should be advocated
- Advised to take Plenty of boiled Water.
- Take lemon juice daily.
- Barley gruel, *Panchamutti kanji* gruel.
- *Rasam*with pepper, jeera, star anise, cinnamon, ginger and garlic.
- Daily green smoothie like *Avaraipinju*(Broad beans), *KathariPinju*(Brinjal), *Murungai* (Moringa Leaves)to improve prebiotics in Gut and for detoxification.

\*The suggested guideline is supported by Siddha literature, scientific publications and emerging evidence based on COVID-19 studies undertaken by the Ministry of AYUSH.

#### **References:**

- Oran DP, TopolEJ. Prevalence of Asymptomatic SARS-CoV-2 Infection. Annals of Internal Medicine [Internet]. 2020 Jun 3 [cited 2020 Aug 8]; Available from: https://www.acpjournals.org/doi/10.7326/M20-3012Guideliness for Siddha practitioners for COVID-19; available at <u>https://www.ayush.gov.in/docs/siddha-guidelines.pdf</u>
- Jamuna D, Sathiyarajeswaran P, Devi MS, Kanakavalli K, Vinod NP, Nirmala A, Ravikumar T, Pathiban P, Babu K, Dhanam C. Survival analysis to assess the length of stay of novel coronavirus (COVID-19) patients under Integrated Medicine-Zinc, Vitamin C &KabasuraKudineer (ZVcKK). European Journal of Molecular & Clinical Medicine. 2021 Jan 13;7(10):1375-87.
- Chitra SM, Mallika P, Anbu N, NarayanaBabu R, SugunaBai A, Raj RD, Premnath D. An Open Clinical Evaluation Of Selected Siddha Regimen In Expediting The Management Of Covid-19–A Randomized Controlled Study. Journal of Ayurveda and Integrative Medicine. 2021 Jan 21.
- 4. Wilson E, Vinayak S, Kanakavalli K. Siddha and Biomedicine Integrative Management of Novel Corona Virus Disease-A Case Report. International Journal of AYUSH Case Reports. 2020 Sep 29;4(3):154-60.
- Kiran G, Karthik L, Devi MS, Sathiyarajeswaran P, Kanakavalli K, Kumar KM, Kumar DR. In silico computational screening of KabasuraKudineer-official Siddha formulation and JACOM against SARS-CoV-2 spike protein. Journal of Ayurveda and integrative medicine. 2020 May 25.
- 6. Mekala P, Murthy TG. Phytochemical screening and pharmacological update on KabasuraKudineerChoornam and NilavembuKudineerChoornam. Journal of Pharmacognosy and Phytochemistry. 2020;9(3):1031-6.
- 7. Pitchiah Kumar M, Meenakshi Sundaram K, Ramasamy MS. Coronavirus spike (S) glycoprotein (2019-ncov) targeted siddha medicines kabasurakudineer and thonthasurakudineer–in silico evidence for corona viral drug. Asian J. Pharm. Res. Health Care. 2020:20-7.
- 8. Walter TM, Justinraj CS, Nandini VS. Effect of Nilavembukudineer in the Prevention and Management of COVID–19 by inhibiting ACE2 Receptor. Siddha Papers. 2020;15(2).
- Sathiyarajeswaran P, Devi MSS, Narayana SKK, Manoharn MT, DurairajS,Sundaramoorty B, Dhanaraj K, Patturayan R. Quality Standards for UraiMathirai - A Siddha Immunomodulator Formulation for Children. JPhytopharmacol 2018; 7(1):40-44.

- 10. Shah, Bhumi and P, Sathiyarajeswaran and MS, Shree Devi and K, Kanakavalli and Narayanan, Kirubakaran and L, Karthik, Repurposing of Medicinal Plants Used in Siddha Formulations As Potential Protease Inhibitors of COVID-19: An in silico Approach (July 13, 2020). Available at SSRN: https://ssrn.com/abstract=3650390 or http://dx.doi.org/10.2139/ssrn.3650390
- 11. S. Thillaivanan et.al. A Review On "Kapa Sura Kudineer"-A Siddha Formulary Prediction For Swine Flu: International Journal of Pharmaceutical Sciences and Drug Research 2015; 7(5): 376-383
- 12. Siva Lakshmi S, Kumari Hv, Mohan S, Meenakumari R. Therapeutic Effectiveness Of The Siddha Immuno Modulatory Polyherbal Formulation NellikaiLegiyam Against Covid-19 Pandemic-A Review.
- 13. Gupta H, Gupta M, Bhargava S. Potential use of turmeric in COVID-19. Clinical and experimental Dermatology. 2020 Oct;45(7):902-3.
- 14. John A, Jayachandran R, Ethirajulu S, Sathiyarajeswaran P. Analysis Of Kabasurakudineer Chooranam-A Siddha Formulation. International Ayurvedic Medical Journal. 2015 Sep;3(9):2915-20.
- 15. Rajalakshmi S, Samraj K, Sathiyarajeswaran P, Kanagavalli K. Preparedness of Siddha system of medicine in practitioner perspective during a pandemic outbreak with special reference to COVID-19. CELLMED. 2020;10(4):29-1.
- 16. Meenakumari R. Siddha Preventive and Clinical Management for COVID-19. Journal of Siddha. 2020;4(1).
- 17. Swetha R, Premavathy D. Siddha based decoctions better remedy to overcome COVID-19-a review. International Journal of Current Research and Review. 2020 Jan 1;12(21 Special Issue).
- 18. Anand Ganapathy A, Alaganandam Kumaran, Lekha G S;Prevention of COVID 19 -Siddha perspective; International Journal of Ayurvedic Medicine, Vol 11 (4), 594-615
- S. Radha, S. P. Rajalakshmi, K. Subash, K. Samraj: A Perspective Review On Siddha System Of Medicine In The Management Of Corona Virus Disease 2019; Journal Of Natural Remedies: Vol 21(2), April 2021; Pp. 110-123
- Rathinam, S., Muthiah, K., Parameswaran, S., Tamilarasan, K., Selvarajan, E., &Ayyasamy, U. (2020). Analogy of KabaSuram with COVID-19 Symptoms - A Siddha Literature Review. International Journal of Ayurvedic Medicine, 11(4), 616-621.