

GOVERNMENT OF INDIA
MINISTRY OF AYUSH
LOK SABHA
UNSTARRED QUESTION NO. 2241
TO BE ANSWERED ON 15th December, 2023
"Research on Ayurvedic Medicines and Clinical Trials"

2241. SHRI RAJAN VICHARE:

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

- a) whether the Government has initiated adequate measures for conducting research on the development of new Ayurvedic Medicines and Clinical Trials through Government controlled laboratories for critical ailments;
- b) if so, the details thereof along with the diseases for which effective medicines have been developed during the last three years and the current year;
- c) whether such clinical trials have confirmed the effectiveness of these medicines before their introduction in the market;
- d) if so, the details thereof; and
- e) if not, the steps taken/proposed to be taken by the Government in this regard?

ANSWER

THE MINISTER OF AYUSH
(SHRI SARBANANDA SONOWAL)

(a) Yes, Sir. The Ministry of Ayush, has setup Central Council for Research in Ayurvedic Sciences (CCRAS) for undertaking coordinating formulating, developing and promoting research on scientific lines in Ayurveda. The activities are carried out through 30 institute/Centres/Units located all over India and also through collaborative studies with various universities, hospitals and institutes. The research activities of the Council include medicinal plant research (Medico-ethno botanical survey, pharmacognosy and tissue culture), Drug Standardization, Pharmacological Research, Clinical Research, Literary Research & Documentation and other outreach activities.

The Central Council for Research in Ayurvedic Sciences is conducting Clinical trials for validation of Classical Ayurvedic formulations and also for new Ayurvedic drug development adopting prevalent guidelines such as Good Clinical Practices Guidelines for ASU drugs (GCP-ASU), Ministry of Ayush and Ethical guidelines for Bio-Medical Research (ICMR), WHO guidelines for traditional medicines etc. as per requirement.

Since inception the Council has developed various Ayurvedic drugs through Drug Development process. Drug development is a continues process and takes around 5-7 years through various stages like standardization of ingredients / formulations, safety/ toxicity studies followed by clinical studies. Compilation of data and commercialization of the newly developed drug. The details are at **Annexure 1**

(b) In the past three years CCRAS is in process of developing various Ayurvedic formulations for diseases like: Dengue, Migraine, improving quality of life in Cancer patients, Mental Retardation in Children, Geriatric Health, Conjunctivitis, Cancer, Diabetes, Asthma, Filariasis, Occupational Stress, Anti Tubercular Treatment (ATT) induced Hepatotoxicity, Non-alcoholic fatty liver diseases, Antenatal Care (Anemia), Antenatal Care (Oedema), Malaria / Mild to Moderate Covid – 19. Details are at **Annexure-2**

(c) to (e) Yes, Sir. Central Council for Research in Ayurvedic Sciences (CCRAS) is conducting Clinical trials for validation of Classical Ayurvedic formulations and also for new Ayurvedic drug development adopting prevalent guidelines such as Good Collection, Processing and Storage Practices for collection of medicinal plants (raw drugs), Good Manufacturing Practices (GMP), Standard Operating Procedures for Formulation of quality drugs, Carrying out preclinical studies as per Organisation for Economic Cooperation & Development (OECD) for raw drugs, Registration of clinical trials in Clinical Trial Registry of India (CTRI) of ICMR, Good Clinical Practices Guidelines for Ayurveda, Siddha, Unani drugs (GCP-ASU), Ministry of Ayush and Ethical guidelines for Bio-Medical Research (ICMR) and WHO guidelines for traditional medicines etc. as per requirement

Annexure -1**List of some important drugs developed by CCRAS since inception**

S. No.	Name of the Drug	Indication
1.	AYUSH -64	(i) Malaria (ii) Mild to moderate Covid-19
2.	AYUSH-56	Epilepsy
3.	AYUSH-82	Diabetes Mellitus
4.	NIMBATIKTAM	Psoriasis and Duodenal ulcer
5.	AYUSH POSHAK YOGA AND PEYA	Immunomodulatory, Antistress and General Health Promotion
6.	SHUNTHI GUGGULU	Rheumatoid Arthritis (Amavata)
7.	KSHARASUTRA	Ano Rectal Disorders
8.	AYUSH BALARASAYANA	Promotion of Health in Children
9.	AYUSH GHUTTI	Prevention of Diarrhoea and Fever in Children
10.	AYURVEDIC FORMULATIONS	Antenatal Care

Drugs under development by CCRAS during last three years

Name of the Drugs under Drug Standardization	Name of the drugs in under pre clinical safety toxicity study	Name of the drugs in under clinical study	Name of the drug with completed Clinical study
1. Ayush–Manas AYUSH–AG AYUSH – PG	1. Ayush-HR	1. Ayush – M3 – Migraine and Hypertension	1. Ayush PJ-7 - Dengue
2. AYUSH – 56	2. Ayush-SDM tablet	2. Ayush – A – Asthma	2. Ayush QOL-2C – Quality of life in Cancer patients
3. AYUSH-HR	3. Ayush-PK Avaleha	3. Ayush – SR – Occupational Stress	3. Ayush Rasayan A&B – Geriatric Health
4. AYUSH-64		4. Ayush – PTK – ATT induced Hepatotoxicity	4. Ayush – PE Eye Drops – Conjunctivitis
5. AYUSH-SG	4. Ayush-SS granules	5. Ayush – GMH – Non alcoholic fatty liver diseases	5. C-1 oil for Wound healing
6. AYUSH Ghutti	5. Ayush-LND	6. Ayush – HR – Pre Hypertension	6. Ayush – D – Pre Diabetes and Diabetes
7. AYUSH KVM Syrup	6. AYUSH-64	7. Ayush BR Leham in moderate malnutrition	7. Ayush – SL – Filariasis
8. AYUSH – M3	7. AYUSH SG-5	8. Ayush RP- Sickle Cell Anemia	8. Ayush – 64 (Repurposing) – (i) Malaria (ii)Mild to Moderate Covid – 19
		9. Carctol S – Serologically relapsed Ovarian Cancer	
9. AYUSH–SS Granules	8. AYUSH-V13	10. Ayush Manas- Cognitive Deficit	9. Ayush – AGT – Dandruff
10. AYUSH-SC3	9. AYUSH V-24		10. Ayush – AGT – Wound healing
11. AYUSH-SR	10. Padmakanta Yoga		11. Ayush CCT – postoperative cardiac care
12. AYUSH-PTK	11. Ayush-PTK		12. Ayush SS granules - Lacatation insufficiency
13. AYUSH-GMH			
14. AYUSH-PVK Gel			
15. AYUSH– NT			

Capsule			13.Ayush LND - Abnormal Uterine Bleeding (AUB)
16. AYUSH – LK Gel			
17. AYUSH - SL			
18. AYUSH-D			14. Ayush PVK gel – Shweta Pradara(Leucorrhoea)
15. AYUSH-Carctols			
16. AYUSH-CCT			
17. AYUSH-82			
18. AYUSH-AGT			15.Ayush NT Capsule-Psoriasis
