

Polyherbal Medicine (Kyuhr Cancer Kit) as supportive treatment with Ayurvedic Rasayana therapy in tongue Cancer-A Case report

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ABSTRACT:

Cancer is the second leading cause of death in the world. Although we have achieved victory over many universal myths with the help of our wisdom and superfast innovative technologies, still world is incapable of finding the powerful solution and remarkable health remedies in the treatment of cancer. Cancer is one of the dreadful diseases on the earth in current scenario which affects the mankind with not only physically but psychologically, socially and financially too. Understanding the importance of our ancient science through their literature and *Samhita* (*Grantha: Charak Samhita, Sushruta Samhita, Astanga Hridaya* etc.). A 45 years old male patient came to OPD with the complaints of growth over tongue, swelling over jaws and dysphagia for six months. The patient was referred to oncologist for further evaluation and management for the same. The patient was diagnosed as tongue carcinoma by oncologist and operated for the same. The total glossectomy with neck dissection and tracheostomy was done and oncologist told that patient will die within 3 months. After that patient again consulted to our OPD for further ayurvedic management of post-surgical wound. Researchers has started evaluating clinically the strength of herbs and spices in the combination with standard modern medicine science. Therapeutic strategies in the role of combating and preventing the spread of the cancer in mankind. Combined treatment with the natural science sources may helpful for the cancer patients to overcome this disease. The combination of integrated medicine i.e. modern science and Ayurveda will be the New Ray of hope for today's scenario and for next generation in cancer management. In this case report, Polyherbal Preparation Medicine (kyuhr Cancer Adjuvant Therapy) was selected as an Adjuvant therapy with Ayurvedic Rasayana Therapy in tongue Cancer. The medicine was given for the period of one Year and two months and result was found in Six Months and Patient is living is healthy life since 1.2 years without any complications. This single case demonstrates that tongue carcinoma (Post-surgical) can be managed with the Ayurvedic medicines as an adjuvant treatment.

KEYWORDS: Ayurveda, Carcinoma, Kyuhr cancer adjuvant kit, Tongue carcinoma

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INTRODUCTION:

Cancer is the most critical and life-threatening disease in the world. An uncontrollable growth of cells may form tumours which is a lump of tissues may get spreads in or invade and can travel to distant places in the body to form new tumors (a process called Metastasis). Tumors can be of two types i.e. malignant or benign. [1]

These tumours are to be evaluated by several diagnostic methods. Chemotherapy, radiation therapy and surgical intervention considered to be the three major pillar of the cancer treatment. We failed to prevent the strong relapsation of this dreadful disease. Lack of awareness and education about cancer is still not established properly. Every cancer patient is in confusion and under lot of psychological stress to find out the right solution to overcome this dreadful Disease. The social stigma, fear, overburden of financial crisis and anxiety towards this disease make the mankind's life miserable. They are trying to find out the right solution by approaching several ways for the proper satisfaction and the guidance in the view of the treatment related with the cancer. After several failures in the battle of cancer treatment, researcher and scientists are finding solutions in our ancient holistic science; Ayurveda and alternative medicine. Our ancient holistic science ayurveda, treats the root cause of the disease not only physically but psychologically too. There is Different types of cancer in the human body. The different types of cancers are usually named according to the organs or tissues or locations where the cancer forms in the body. Out of many cancers, one of the oropharyngeal cancers is a disease in which malignant (cancer) cells form in the tissues of the oropharynx. Smoking, chronic alcoholism or being infected with human papillomavirus (HPV) can increase the risk of oropharyngeal cancer. Signs and

symptoms of oropharyngeal cancer include a lump in the neck and a sore throat. [2]

Some of the factors that the risk of oral cancer are: Genetics, Weaken immune system, Excessive sun exposure to your lips, Heavy alcohol consumption, Tobacco using of any kind like Smoking Cigarette, Pipes, Snuff, Chewing Tobacco, etc, Gastro esophageal reflux disease (GERD), Exposure to certain chemicals like sulfuric acid, asbestos, and formaldehyde, Having a non-healing oral ulcer or chronic trauma in the mouth, Lower consumption of right diet foods and green vegetables diet.

Tongue Cancer is a type of cancer that begins in the cells of the tongue. It can occur on the surface of the tongue, the base of the tongue, or deep in the tissue of the tongue. The most common type of tongue cancer is called squamous cell carcinoma, which starts in the thin, flat cells that line the surface of the tongue. The main risk factors for tongue cancer include tobacco use, heavy alcohol consumption, human papillomavirus (HPV) infection, and a weakened immune system. Symptoms of tongue cancer can include a sore on the tongue that does not heal, pain when swallowing, a persistent sore throat, difficulty moving the tongue, and a lump or thickening in the tongue. [3]

In Ayurveda, there are six stages of disease: *Sanchaya* (accumulation), *Prakopa* (aggravation), *Prasara* (dissemination), *Sthana Samshraya* (localization), *Vyakti* (disruption), and *Bheda* (manifestation). According to Ayurveda, all ailments (Mental or Physical) are caused by the imbalance of the *Tri-Dosha (Vata, Pitta & Kapha)/ Sapta (Seven)Dhatu*, their *Upadhatu* and *Tri-Mala*. Ayurvedic approach focus on to improve digestion, eliminates toxins, reduces tumor growth, and improve tissue metabolism. An Ayurvedic approach to cancer supportive care focuses on restoring equilibrium, building strength, and rejuvenation considering *Prakriti, Tri-Dosha, Sapta Dhatu*,

Tri Mala, Sapta Chakra, Panch Mahabhuta and mental stage (*Sattva, Rajas, Tamas*).^[4]

The *Samprapti* (pathogenesis) formed due to various causes such as repeated exposure to environmental toxins which provokes *Pitta* at the deeper cell level. The increased *Pitta* at the cellular level cause micro inflammatory changes, which disturb the cellular components of *Agni* (Disturbed Metabolism and *Saamta*). Due to *Mandagni* (diminished state of *Agni*) improper metabolism disturbs the formation of tissues. In Ayurvedic pathogenesis, *Vata Dosha* is the active *Dosha* and is involves in the process of metastasis while *Kapha* being heavy and gross in nature is responsible for the abnormal growth of the cells, tumour like structure and may convert it into malignancy. The *Tejas* component of *Pitta* enhances the metabolic activity and intensity of the cancerous cells. The malignant tissue has strong *Agni* but that is of abnormal state. According to Ayurveda, cancer is a *Tridoshaja Vyadhi* which has the capacity to spread due to the abnormal and imbalance between *Vata, Pitta* and *Kapha*.

CASE REPORT:

A 45 years old male patient approached to our hospital on 05/03/2022 with the symptoms of non healing ulcers in mouth and painful movement of jaw while having foods since 6months. He underwent multi drug therapy with vitamin C and folic acid and mouth gels as local applications from modern physicians. After failure in the line of treatment he visited our hospital. Our Doctors Examined him carefully and diagnosed as "Non-healing mouth and tongue ulcers" and patient was referred to oncologist for further diagnosis and management. In the view of Proper Diagnosis Detail Examination Done (Fig-1).

- Ulcerated Tongue with Severe Pain and Inflammation.

- Painful Sore/Ulceration on the Side of the Tongue which Bleed easily and Resisting Healing.
- Persistent Jaw Pain.
- Three finger test Positive.
- Thickening of the Soft tissues of the Oral Cavity.
- Difficulty Chewing and Swallowing.
- Ear Pain.
- Difficulty in Movements of tongue and Jaw.
- Submandibular Lymphadenitis.

The patient was irregular and defaulter in follow ups and treatment so, after 4 months, patient was advised for survival surgical intervention by oncology team. After survival surgical intervention procedure, patient visited in our Kaya Chikitsa OPD with post-surgical complaints of Swelling of the jaws with persistent pain, lump Growing inside the mouth, painful movement of the jaws and lips, ear pain, sudden weight loss for unknown reasons, coughing with blood, numbness of the tongue and over lips, generalised weakness, fatigue, sore throat, insomnia, fear of death, depression, giddiness, nausea, burning sensation in the body.

In past history patient underwent salvage surgery on 04/07/2022 (Total Glossectomy + Lower & Bilateral Neck Dissection + free ALT (Anterolateral thigh) + Tracheostomy surgery + chemotherapy + radiotherapy and patient was discharged on 15/07/2022. (Fig-2)

On Proper Examination,

- Swelling over jaws,
- non-healing wounds Over Neck
 - Tracheostomy,
- difficulty in food intake,
- skin rashes,
- vertigo and more prominent is anxiety, fear and depressive behaviour of the patient.

In Communication with patient, the addiction history revealed the habits of alcohol Daily with excessive cigarette smoking, chewing gutkas, eating lot of fried and Spicy street foods, maximum intake of a non-vegetarian foods in daily regular diet was Regular lifestyle since 30 Years.

Family history revealed that, patient's mother died due to the oesophageal cancer stage IV.

On examination, Tongue was swollen, ulcerated, tender with inflammation and cervical lymph nodes were palpable.

Blood investigations: Following baseline lab investigation were insured form patient

- Hemoglobin:11.1g/dl
- RBC: 4.41Million /Cu.mm
- WBC: 8680/ Cu.mm
- Platelet Count: 276000/Cu.mm
- Fasting Blood Sugar :90 mg
- HIV: Non-Reactive
- HbsAg: Non-Reactive
- HCV: Non-Reactive
- Blood urea: 38.52
- BUN: 18
- Serum Creatinine:0.86
- Serum Uric acid: 8.2
- S.Phosphorus : 3.6
- S.Calcium: 8.8
- S.Sodium: 141
- S.Potassium :4.9
- S.Chloride :107
- Urine routine and microscopic examination: No abnormality detected

Other investigations:

Chest x-ray: Right Upper Zone Old Scar S/O Old Chronic Granulomatous Lesion - Most Probably Inactive.

2 D Echo and Color Doppler Study revealed Trivial Mitral regurgitation.

F-FDG WHOLE BODY PET - CT SCAN: (18 May 2022): Metabolically active enhancing right lateral tongue border thickening crossing the midline and involving floor of mouth ,base of tongue free

favors neoplastic primary, biopsy correlation advised.

Subcm sized cervical level Ia, bilateral level Ib,II and III nodes with no significant metabolism.

No evidence of distant metastases elsewhere.

Clinical histopathological Report:

Invasive Moderately Differentiated Conventional Squamous Cell Carcinoma.

PET -CT study dated 18/05 /2022 Current PET -CT study reveals Post Total Glossectomy and bilateral neck lymph nodal dissections status. No obvious evidence of local recurrence. Mild thickening and metabolic activity along skin of left sub-mandibular space could be inflammatory/ infective etiology. Correlated Clinically. Interval development of few discrete air space nodules in both lungs indeterminate. Close 3 monthly follow up recommended for Stability. Interval development of metabolically active thickening around trachea at and below the Tracheostomy likely inflammatory.

Patient and his relative visited our OPD for ayurvedic consultancy and dressing purpose. Patient and his relative were explained about ayurvedic clinical approach as adjuvant therapy in his conventional treatment. Then consent was taken with proper explanation of prognosis of the disease and discipline of ayurvedic principle and advised to strictly follow to "do and don't" in

Advised Diet (Ahara-vihara):

Our Ayurvedic clinical study protocol prepared. It includes Ayurvedic *Rasayana* therapy

- Early Rise from Bed with Adequate amount of Sleep.
- Pranayama
- *Kapalbhati* if Possible
- *Dant Dhawan* and *Kawal Graham*
- Yogasana

- *Abhyanga* (Full Body Massage with *Chandanbala Lakshadi Tailam* to minimize the heat and skin Rashes with hyperpigmentation generated by radiation and chemo therapy)
 - *Snana* according to *Ritucharya*.
 - *Dinacharya* according to Ayurvedic principle of *Ritucharya*. (The Knowledge of *Ritucharya* is a comprehensive scientific guide to the concepts which describes the modes and stages with spread of the diseases with regards to the state of different *Dosha-Vata,Pitta,Kapha* in accordance with the change in *Ritu*.
 - Ayurvedic nutritional diet
 - *Sadavritta* (*Aachar Rasayana* for body, mind and spirit)
2. Psychological support by creating different perception & belief towards life
 3. Spirituality Session with Meditation
 4. Intake of medicines (KYUHR cancer care management medicinal kit) at Regular Intervals
 5. Chemotherapy & radiation therapy as per schedule prescribed by oncologist as patient and his wife adopted both modern and ayurvedic treatment simultaneously.

Followings thigs were done with the Association of AVP laboratory LLP. & Cancerkare.org

1. Emotional transformation counselling

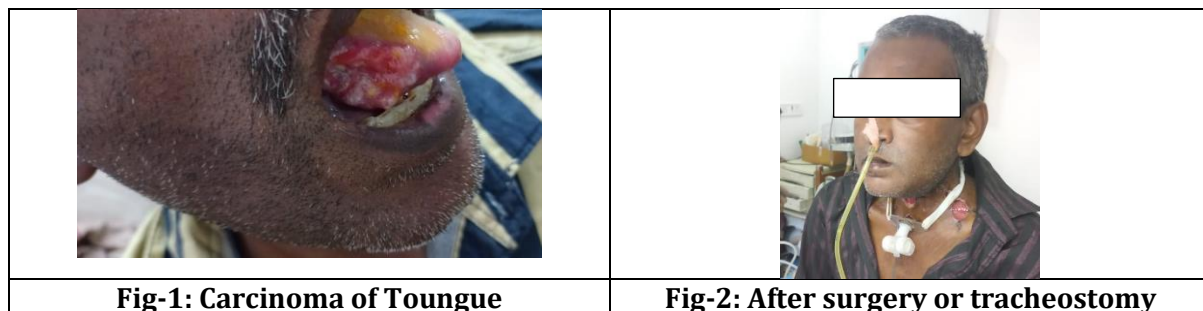
Stability study material

Kyuhr Cancer Care Management kit:: Poly herbal preparation medicine are approved by the FDA Government Authority , GMP Certified (Table-1).

Quality Control of the Polyherbal Preparation Medicine Evaluated. Usage of Safety Hazards in the Packing and Preparation Of the Medicine are Confirmed. Certificate of analysis with Essential other Related testing reports are Verified.

Table-1: Kyuhr" Cancer Adjuvant / Supportive Care Management Kit:

Name of drug	Contains	Dosage
Nano Curcumin Capsule	Nano Curcuminoids 250mg extracted from Haridra	One capsule two times in a day after food
Syp. Kyuhr life	Alfa-Alfa extracts containing 6% chlorophyll (per 100ml)	15ml Kyuhrlife to be diluted with one glass of water and taken two times in a day after food.
MMU KYUHR	Pure Cow Colostrum	One Cap Twice in a Day After Food.
Tenergy Drops	Micro Crystalline Curcumin Suspension	10 to 12 Drops of the Tenergy to be added with lukewarm water and taken twice in a day inspite of tea, coffee and other food bevarages



RESULTS:

Ayurvedic *Rasayana Chikitsa* with KYUHR cancer adjuvant/supportive management kit is a holistic ancient science approach. The overall health (physically and psychologically) improvement in the patient was observed and evaluated at every follow up of 15 days.

The self-declaration, family members communication, assessment of the patient health record maintained with concern ayurvedic physicians and health workers.

- Reducing numbness and swelling on the lips within 21 days after commencement of treatment.
- Red/White patches on the mouth is minimize.
- Dysphagia was reduced
- Bad breath or a bad taste in the mouth is completely cleared with proper hygiene.
- Hyperpigmentation over the affected part of the body (neck region) due to radiation therapy was almost improved [Important and major role of KYUHR HERBAL CREAM local applications for 2 to 3 times in a day]
- Appetite of the patient increased . *Nadi, Mala, Mutra, Jhivha, Sparsha, Netra, Shabda, Aakruti (Astavidha Parikshan)* improved.
- Body Weight Increased (previously (weight - 43Kg and height 167cm with BMI: 15.3 and now (weight-52.5 Kg and height - 167 with BMI :18.6)
- Generalised weakness was reduced.
- Post-surgical complications (wounds, stiffness, pain ..etc) subsided.
- Clinical and pathological readings were found normal at every follow up.
- Quality of life assessment is quite progressive and encouraging.

After treatment PET CT SCAN REPORT (17/07/2023):

Post Total Glossectomy and bilateral neck lymph nodal dissection status. No obvious evidence of local recurrence. Interval development of cavitating 9mm nodule in left upper lobe of lung - likely metastatic. Previously seen few discrete air space nodules in right upper lobe is stable with resolution of other nodules in left upper lobe and right lower lobe. Interval development of bilateral mild pleural and moderate pericardial effusion. Interval development of FDG avid skeletal lesions - likely metastatic. Interval development of mild ascites.

DISCUSSION:

The major part in oral medication of our treatment is Curcumin in Kyuhr Cancer Care Management Adjuvant Therapy Kit. [Avp Laboratory Llp and Cancerkare.Org] The importance Of Curcumin is well Established and Known to the Medicinal World.

Curcumin and its derivatives have received immense attention in the past two decades due to their biofunctional properties such as anti-tumor, antioxidant, and anti-inflammatory activities. Curcumin's chemopreventive, chemosensitizing, and radiosensitizing effects are more vigorously being evaluated Nowadays in Cancer Research Institutions. [5]

The main mechanisms of action by which curcumin exhibits its unique anticancer activity include inducing apoptosis and inhibiting proliferation and invasion of tumors by suppressing a variety of cellular signaling pathways. Several studies reported curcumin's antitumor activity on breast cancer, lung cancer, head and neck squamous cell carcinoma, prostate cancer, and brain tumors , showing its capability to target multiple cancer cell lines.

Curcumin in Nano Particle Form Can be potentially used for chemoprevention of multiple cancers. Curcumin modulates multiple molecular pathways involved in the lengthy carcinogenesis process to exert its chemopreventive effects through several mechanisms: promoting apoptosis, inhibiting survival signals, scavenging reactive oxidative species (ROS), and reducing the inflammatory cancer microenvironment. Curcumin fulfills the characteristics for an ideal chemopreventive agent with its low toxicity, affordability, and easy accessibility.

The pure cow colostrum proteins are immunoglobulins (antibodies), lactoferrin, several growth factors, enzymes and enzymes inhibitors.

Cow colostrum includes nearly ninety bioactive compounds. Immunoglobulins and growth factors, antibodies, amino acids, oligosaccharides, anti-bacterial compounds, and immunological regulators (such as lactoferrin) are all examples of these bioactive molecules. [6]

Cow Colostrum contains much more physiologically active peptides, antioxidants, anti-inflammatory compounds, and growth-stimulating chemicals. Cow Colostrum has been recommended as a potential treatment for chemotherapy-induced mucositis Proline-rich PROLINE-RICH POLYPEPTIDE S polypeptides, conjugated linolenic acid (CLA)* Enhance T cell and natural killer (NK) cell activation.

CONCLUSION:

Kyuhr Cancer Care Management Kit are the Combination of Such Potential Polyherbal Preparation which can prevent and Minimizes the Side effects Of Chemotherapy and Radiation therapy. This Polyherbal Preparation Mainly Focusing on Immunity Mechanism Of the body and Also Providing Nutritional Supplements for Replenishment Of the Cell and Vital Organs of the Body.

Kyuhr Cancer Care Management Kit with Ayurvedic Holistic Approach Should be Given as Adjuvant therapy to Boost Immune system and Healing of Wounds and Act as Immunostimulants, immunomodulatory agents and Cell Rejuvenation Processor for Faster Recovery in Cancer Care Management.

Patients consent:

Ethical considerations and the objectives of the study were informed to the Cancer Patients, and informed consent was obtained. The Study was approved by the institutional ethics committee. Administrative permission was obtained for data collection.

Patient's Own and Relatives consent taken before commencement of Kyuhr Cancer Care Management Kit Administration and for publication of images without disclosing identity of an individuals.

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Limitation of Study:

The study is conducted in a single case.
This treatment protocol needs to be tried in
a more number of cases so as to create an
evidence-based document adopting
standard treatment protocols for its
validation.

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