

Case Report of Brainstem Glioma Treated With a Novel Herbo Mineral Compound

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Abstract

Brainstem glioma is taken as difficultly curable rather incurable being a disease of very poor prognosis. In a case study (Male, 52 years, 20 August, 2010 till date) of Brainstem Glioma patient, a herbo-mineral formulation consisting many metals, minerals and vegetable drugs was given orally. The formula being developed by Lavanya Ayurveda (Las01) has already being proved effective in human beings' Cancers of different organs and on MCF-7 and Hela Cell-lines (Breast and Cervical Cancer) in an in-vitro studies. The relief obtained after the application of Las01 was highly noticeable symptomatically and hematologically, biochemically as well as radiologically which could not be obtained after use of other modern medicines. The life span is increased markedly higher than reported in medical literature.

Keywords: Ayurveda; Brainstem Glioma; Herbo-mineral; Las01.

Introduction

The brainstem Gliomas have the poorest prognosis of any form of brain cancers where most patients die within one year[1] and despite multiple modalities of the treatment malignant Gliomas remain an incurable tumor.[2] For such cases modern chemotherapy as well as radiotherapy are not very satisfactory even for palliation.[1] Thus there is a need for novel drugs to be discovered from alternative system of medicine not only as an effective drug but also to avoid deleterious side effects of the available treatment with modern modalities. Therefore, in the present study we have employed a novel Herbomineral preparation (*Ras Aushadhi*) Las01 containing gold, silver, copper, iron and mercury, minerals like sulphur, arsenic, mica

and large number of raw drugs of vegetable origin as per Ayurvedic Pharmacopoeia of India (API) and other Ayurvedic classics prepared at Lavanya Ayurvedic Hospital and Cancer Research Center, Chinhut, Lucknow to find out its efficacy and safety in a case of brain stem Glioma after approval by our ethical committee & written consent of patient.

Case presentation

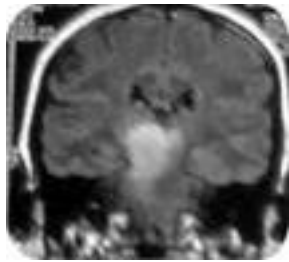
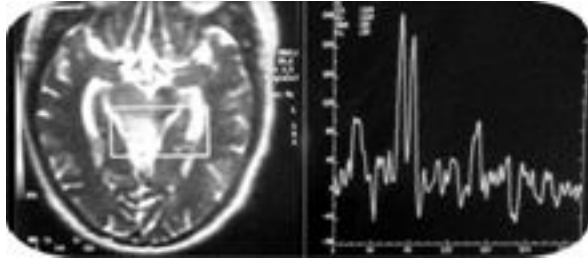
A male patient aged 52 yrs. was admitted in Lavanya Ayurvedic Hospital, on 27th August, 2010 with the complaints of complete ptosis on the right side, inability to walk due to complete left sided hemiplegia, uncontrolled urination, short term memory loss (amnesia), drowsiness, drug induced hyperglycemia and slurred voice. On clinical examination, there was left sided hemiplegia, ptosis in right eye, dilated right pupil, power in left upper & lower limb was of 0 grades. Past history of the patient revealed that patient started having symptoms like difficulty in walking, in coordination of movement & weakness in left lower & upper limb in August 2009. However, as his symptoms were not relieved, he was advised CT scan in November, 2009 which indicated a space occupying lesion (SOL) involving the right side

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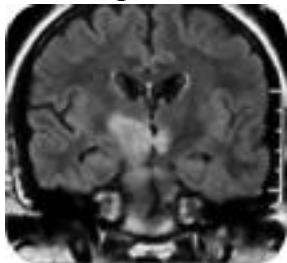
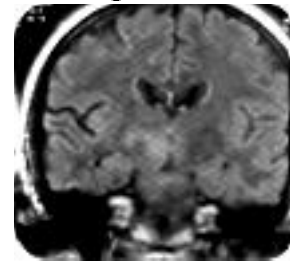
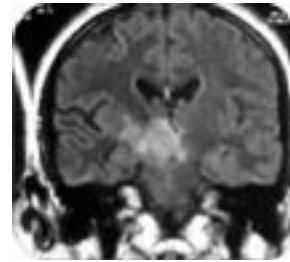
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Figure 1**Figure 2**

of mid brain, aqueduct, 3rd ventricle as well as the right thalamic region (Fig 1), which was reconfirmed by MRI (Fig 2 & 3). Some local treatment failed to help him. Therefore, the patient was given Radiotherapy in Dec. 2009 and Jan. 2010 which reduced the mass of the tumor which became irregular with tiny cystic necrosis (Fig 4). Subsequently in March 2010, there was further reduction in the mass but it was associated with severe maxillary sinusitis (Fig 5). Since his general condition did not improve, patient was given 12 doses of 200 mg of Biomab (a monoclonal antibody) in a

Figure 3**Figure 4****Figure 5****Figure 6**

hospital which exhibited mild bone marrow toxicity and raised blood sugar level which was treated with insulin in Aug 2010 but his repeat MRI surprisingly showed tumor progression in mid brain, involvement of 3rd ventricle with dedifferentiation and radiation and necrosis (Fig 6). Further MRI revealed an increase in his brain stem occupying lesions (right half) (Fig 7) and there was a deterioration in his condition. He came to Lavanya Ayurvedic Hospital on 27th Aug 2010 and was put on Las01 (Herbomineral) 1 gm Twice Daily dose (30mg/kg). There was an improvement in his

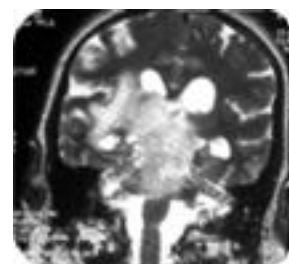
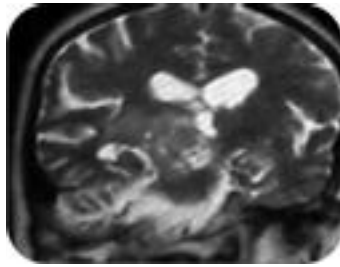
Figure 7**Figure 8**

Figure 9

general condition in two months in the form of increased alertness, decreased in edema and improvement in his urinary incontinence, however radiologically there was not much improvement (Fig 8). After 4 months of treatment, patient showed further improvement in his general condition, in ptosis in the right eye, urinary incontinence and reduction in edema. After 6 months of treatment, he became more alert and his urinary incontinence disappeared and 50% of his slurred voice improved along with edema of the body. After 8 months of treatment with Las01, the patient became more alert and his edema disappeared along with good control over his urination. After a treatment of 14 months with Las01, patient is now completely alert having no urinary incontinence, ptosis, and edema; however his short term memory and slurred voice improved partially up to 50%. But no change in his hemiplegic condition occurred. Hematological and Radiological parameters remained the same (Fig 9).

Despite of improvement in his quality of life without any metastasis the patient suddenly got high fever of viral origin and died on 15/06/2012 possibly due to acute viral myocarditis.

Discussion

In case of Glioma of brain stem prognosis is very poor and Glioblastoma multiforme is the deadliest form.[1] WHO has recommended research in the alternative system of medicine for such refractory cases.[3]Therefore, the present study was conducted with Las01 ayurvedic preparation which stopped further progression of the otherwise progressing

glioblastoma of brain stem, reduced radiologically induced edema around SOL, an action which resembles like that of dexamethasone without exhibiting any toxicity. The drug seems to have a potent anti-cancerous activity on cancer cells as it inhibits proliferation and enhances apoptosis in human cell lines (Personal communication) as apoptosis seems to be a tumor selective target. The incidence of glioma in our hospital is 8-10 cases per year. The drug has a wide margin of safety in animals as well as in human beings[4,5]as compared to modern chemotherapeutic agents as well as radiotherapy as is the need of the.[6] This case report warrants further clinical trials on larger scale to substantiate our claims of the carcinostatic activity of Las01 which seems to have a revolutionary role in management of cancer patients.

Conclusion

The present case of glioma of brain stem in a very poor condition was admitted in our hospital on 27th August, 2010 after being treated with modern chemotherapy and radiotherapy showing transient relief after a year but subsequently his condition deteriorated. After treatment with our Herbo-mineral compound Las01 over a period of 14 months his general condition remarkably improved except his hemiplegic condition and the size of the tumor remained static. The progressive condition of the patient radiologically came to a standstill stage along with his clinical improvement. This shows there is conversion of immortal cancer cells to normal mortal cells which has been confirmed by our in vitro studies. The study warrants large scale clinical trial in such cancer patients.

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