

# Incidence of Oral Cancer with Association of Celestial Bodies - A Case Study

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## Abstract

Astrology is an ancient art that based on Hindu religious scriptures. The movement and positions of celestial bodies can have a profound impact on our love life, work life, and everything in between. A major part of Astrology is using the movements (transits) and relationships (aspects) of the planets to forecast what will be happening in our lives. It is believed that each zodiac sign and planet is connected to the body's parts and functions. Medical astrology is an ancient medical system that associates various parts of the body, diseases, and drugs as under the influence of the sun, moon, and planets, along with the twelve astrological signs. It searches the mysteries of the possibilities of diseases that are likely to occur in the future.

This study has tried to show the interconnection between medical and astrological science to clarify how the planets are responsible for cancer in the person. It also displays the relationship between the medical astrology with oral cancer.

The random sampling of the individuals visited hospital for diagnosis, therapeutic and prognostic purpose of oral cancer were included in this study. Total ten oral cancer treating individuals were selected for the kundali (birth chart). The kundali was prepared on the date and the time of birth of the cancer patients recorded by themselves and their relatives. The preparation of kundali, mainly Lagna Kundali, was based on the calendar issued by the Nepal Panchanga Nirnayak Committee.

Medical astrological analysis showed the effect of sinful planet to causal planet and relevant organs are likelihood of oral cancer. Hence, it is better to include the Medical astrology in modern healthcare system to take prevention against oral cancer.

**Key Words:** Celestial Bodies, Incidence, Medical astrology, Oral cancer

## I. Introduction

Cancer is a group of disease characterized by uncontrolled, growth, invasion and spread (Metastasis) of abnormal cells. In cancer, normal mechanism of control of growth and cell division are disturbed. Cancer is synonymous with the term "malignant tumor". Cancer one of the common and most important non-communicable disease increasing around the world with marked rise in the least developed parts of the world. Preventing cancer is an important scientific and public health goal of this century. Cancer is becoming a growing public health problem in our country too. The global cancer burden is estimated to have risen to 18.1 million new cases and 9.6 million deaths in 2018.<sup>i</sup>

Globally, about 1 in 6 deaths is due to cancer. Approximately 70% of deaths from cancer occur in low- and middle-income countries. (GLOBO CAN

2018).

Asia accounts for 60% of the world population and half the global burden of cancer. The incidence of cancer cases is estimated to increase from 6.1 million in 2008 to 10.6 million in 2030. According to WHO, India has a cancer mortality rate of 79 per 100,000 deaths and accounts for over 6 percent of total deaths. These numbers are very close to those of high-income countries.

Oral cancer, also known as mouth cancer, is cancer of the lining of the lips, mouth, or upper throat.<sup>ii</sup>

In the mouth, it most commonly starts as a painless white patch, that thickens, develops red patches, an ulcer, and continues to grow. When on the lips, it commonly looks like a persistent crusting ulcer that does not heal, and slowly grows.<sup>iii</sup>

Other symptoms may include difficult or painful swallowing, new lumps or lumps in the neck, a swelling in the mouth, or a feeling of numbness in the mouth or lips.<sup>iv</sup>

In 2018, oral cancer occurred globally in about 355,000 people, and resulted in 177,000 deaths.<sup>v</sup> Between 1999 and 2015 in the United States, the rate of oral cancer increased 6% (from 10.9 to 11.6 per 100,000). Deaths from oral cancer during this time decreased 7% (from 2.7 to 2.5 per 100,000).<sup>vi</sup>

Oral cancer, which includes cancers of the lips, tongue, cheeks, floor of the mouth, hard and soft palate, sinuses, and pharynx (throat), can be life threatening if not diagnosed and treated early.

Cancer of the oral cavity (Oral cancer) is the 11<sup>th</sup> most common malignancy in the world, despite the general global trend of a slight decrease in the incidence of oral cancer, tongue cancer incidence is increasing. About 90% of tumors are sub typed to oral Squamous cell carcinoma (OSCC). The incidence and mortality of this tumor shows variability according to the geographic location in which it is diagnosed, however in the last decade an increase was seen in the percentage of young patients, especially patients with tongue cancer.

In Nepal 2015, total 9718 new cancer cases were reported by hospital based national cancer registration programme. Whereas, 471 (4.84%)

were oral cancer (C00 - C06), which was only 135 (4.3%) out of 3251 cases in 2003. Similarly, 455 (5.2%) and 500 (5.5%) cases of oral cancer were diagnosed for 2013 and 2014. It shows

In recent days, the observation of the data of the oral cancer shows its increasing condition. Even in Nepal, the oral cancer is giving to increasing rapidly. According to the medical science, the tobacco use, poor hygiene, alcohol, HPV infection are its major factors. In this regard, the celestial planets are thought to influences the human body. Some research, too, shows the planets responsible to grow the cancer in the human body (Subedi et al. Medical & Astrological Study on the Impact of Celestial Bodies for Cancer-Susceptibility-A Case Study, Journal of Emerging Technologies and Innovative Research (JETIR) [www.jetir.org](http://www.jetir.org), Volume 6, Issue 6, June 2019) Therefore, this study exhibits the relation for oral cancer incidence.

Every human bodily organs have their own causal-planet system. According to the nature of that planet, the disease, too, comes to occur when the native is susceptible to any kind of the disease.

If any is susceptible to the cancer and is exposed to any other cancer-risk-factor, then possibility of the cancer seems to be there.

Oral cancer incidence doesn't mean that only one bodily cancer but it covers the lip, mouth, palate, gum, and above all the cavity along with the other unspecified sides.

According to the Vedic astrology, the second house of the kundali, the Brish rashi and Lord of the brish-Rashi is the Venus which is the causal factor of the mouth and oral cavity, on condition of the influence of the sinful planets and the Venus, being weak and tortured by the sinful planets, the Natives is susceptible to the oral cancer.

At present / Now-a days, oral cancer disease is increasing per day. The main factors of cancer increase are considered to be the use of tobacco, poor –hygiene, environmental pollution, alcohol, betel, paan-supari, HPV-infection. The research

done in the past shows the cancer causal-factors that one of the planets. This study have done regarding epidemiological concern, tries to display astrological risk factors and the connection of oral cancer and the astrological views.

## II. Materials and Methods

In this study, random sampling collection of horoscopes birth date, location and time is made. The position of the planets in the horoscopes, the Yukti, situation, Drishti, planet's Kartari, strength of the planets has been detected and the major factors of kalpurusha Kundali are comparatively concluded on the basis of the different horoscopes.

## III. Limitation of the study

This study has the inclusion of random sampling of the ten persons having oral cancer.

The random sampling of the ten individuals visited hospital for oral cancer treatment was selected for the study. By taking informed consent, the Kundali was prepared on the date and the time of birth of the cancer patients recorded by themselves.

## IV. Result

This study explains the ten cases based on the Lagna Kundali (Birth-chart) through the interaction made on the head and neck cancer - patients and their horoscopes are made to identify the case on the main point of the position of the Planets which influence the birth.

### ➤ Case number 1:

The Lagnes of Birth-chart was Jupiter which was placed at 1<sup>th</sup> house in Sagittarius zodiac sign, astrologically this house is known as the Lagna. The Rahu placed at 2<sup>nd</sup> house in Capricorn which gives full sight to 8<sup>th</sup> house this house considered as a causal of death, pain and chronic disease. The Lord of second house was Saturn (Sani) consider as a Maraka- planet and placed at 6<sup>th</sup> house in Taurus. The Saturn gives full sight to the 8<sup>th</sup> and 12<sup>th</sup> house. Similarly, the Lord of 8<sup>th</sup> house was the Moon placed with Ketu and Venus in Same

house (8<sup>th</sup> house), same zodiac (Cancer zodiac sign) and fully victimized by Saturn.

Note: The Venus was suffered by Ketu and Taurus Zodiac sign was victimized by Saturn.

### ➤ Case number:2

The Lagnes of Birth-chart was Moon placed at 11<sup>th</sup> house in Taurus. The Mars co-jointly placed with Venus at Lagna in cancer zodiac sign. The Marak-planet (Sun) placed with Jupiter and Mercury at 12<sup>th</sup> house in Gemini and fully suffered by Rahu. The Lord of 7<sup>th</sup> (Saturn) also known as a second Marak and placed at disease house. The Saturn placed at disease house in Sagittarius and the Lord of 6<sup>th</sup> (Jupiter) placed at 12<sup>th</sup> house. The Lord of 8<sup>th</sup> house was Saturn placed at 6<sup>th</sup> house and reciprocal with Jupiter. The Lord of 12<sup>th</sup> was Mercury placed at same house with Sun and Jupiter in Gemini. And fully victimized by Saturn.

Note: The Venus victimized by Mars, whereas the Mars situated as a descend position.

### ➤ Case number:3

The Lagnes of the Lagna Kundali was Saturn place at 4<sup>th</sup> house in Taurus and reciprocal with Jupiter. The Lord of 12<sup>th</sup> also Saturn and co-jointly placed with Mars at 12<sup>th</sup> house in Capricorn. The Lord of 2<sup>nd</sup> was Jupiter placed at 10<sup>th</sup> house in Sagittarius. The Lord of 5<sup>th</sup> was Mercury placed at 9<sup>th</sup> house with Sun, Mun and Venus. The Ketu placed at 6<sup>th</sup> house in Cancer zodiac sign and the Lord of 4<sup>th</sup> house Moon placed at 9<sup>th</sup> house with Sun, Venus and Mercury which was fully suffered by Rahu. The Lord of 8<sup>th</sup> house was Mercury placed at 9<sup>th</sup> house in Libra and fully suffered by Rahu. The Saturn and Jupiter was in reciprocal position.

Note: The Taurus zodiac sign victimized by the Saturn and Venus victimized by Rahu. Jupiter and Saturn in reciprocal condition.



➤ **Case number 4:**

The Lagnes of the Lagna Kundali was Jupiter placed with Venus and Moon at 12<sup>th</sup> house in Aquarius and fully suffered by Ketu. The Marak planet (Mars) co-jointly placed with Saturn at 4<sup>th</sup> house in Gemini. The Saturn and Mars were co-jointly present at 4<sup>th</sup> house in Gemini. The Lord of 7<sup>th</sup> was Mercury placed at Lagna and fully suffered by Rahu. The Lord of 9<sup>th</sup> house was Mars and co-jointly placed with Saturn at 4<sup>th</sup> house in Gemini and fully sighted by Jupiter. The Lord of 8<sup>th</sup> house was Venus placed at 12<sup>th</sup> house and fully suffered by Ketu. The Lord of 12<sup>th</sup> house was Saturn placed at 4<sup>th</sup> house with Mars and fully sighted by Jupiter.

Note: Taurus zodiac sign victimized by Ketu.

➤ **Case number 5:**

The Lagnes of the Lagna Kundali was Saturn co-jointly present with Moon at 7<sup>th</sup> house in Leo zodiac sign and the Lagna was fully suffered by Saturn.. The Rahu placed at 3<sup>rd</sup> house which give full sight to the Moon and Saturn at 7<sup>th</sup> house in Leo. The Lord of 6<sup>th</sup> house was Moon co-jointly place at 7<sup>th</sup> house in Leo and fully suffered by Rahu. The Ketu placed at 9<sup>th</sup> house in Libra and gives full sight to the Lagna. The Venus placed at 10<sup>th</sup> house in Scorpio as a Kartari position (Placement in between the sinful planets). The Lord of 8<sup>th</sup> house was Mercury placed at 11<sup>th</sup> house. The Lord of 12<sup>th</sup> was Saturn placed with Moon.

Note: The Venus situated as a pap-kartari position (surrounded by sinful planets).

➤ **Case number 6:**

The Lagnes of birth- chart was Saturn co-jointly placed with Ketu at Lagna in Carpi corm and fully seen by Rahu. The Mars placed at 2<sup>nd</sup> house with Jupiter and Mercury in Aquarius and the Lord of second was also the Saturn. The Lord of 3<sup>rd</sup> house was Jupiter placed with Mars and Mercury at second house this house also known as a Maraka house. The Lord of 4<sup>th</sup> house was Mars placed in Aquarius. The Lord of 5<sup>th</sup> was Venus co-jointly placed with Sun at 3<sup>rd</sup> house in Pisces and fully suffered by the Saturn. The Roges (Mercury) present at 2<sup>nd</sup> house with Guru-Mangala (Mars and Jupiter) in Aquarius. The 7<sup>th</sup> house occupied by Rahu in Cancer zodiac sign which give full sight to the Lagna. Whereas, The Lord of 10<sup>th</sup> was Venus

placed with sun at 3<sup>rd</sup> house. The Lord of 11<sup>th</sup> was Mars placed with Mercury and Jupiter at 2<sup>nd</sup> house in Aquarius. The Lord of 8<sup>th</sup> was Sun co-jointly placed with Venus at 3<sup>rd</sup> house house in Pisces and fully suffered by Saturn

Note: The Venus victimized by Saturn.

➤ **Case number 16: oropharynx(7)**

The Lagnes of birth-chart was Jupiter placed at 7<sup>th</sup> house with Sun, Mars and Moon at 7<sup>th</sup> house in Virgo. The Ketu placed at Marak house (second house) in Aries which gives full sight to 8<sup>th</sup> house. Whereas, the Venus co-jointly placed with Rahu at 8<sup>th</sup> house in Libra. The Lord of 3<sup>rd</sup> house was Venus placed at 8<sup>th</sup> house and fully victimized by Rahu. The Lord of 6<sup>th</sup> was Sun placed at 7<sup>th</sup> house with Guru, Chandra and Mangala (with Jupiter, Moon and Mars) at 7<sup>th</sup> house in Virgo. The Lord of 8<sup>th</sup> was Venus co-jointly placed with Rahu at 8<sup>th</sup> house in Libra and fully seen by Ketu. The Saturn placed at 9<sup>th</sup> house in Scorpio which give full sight to disease house.

Note: The Lord of second house victimized by Rahu.

➤ **Case number 8:**

The Lagnes of birth-chart was Mercury co-jointly present with Sun at 12<sup>th</sup> house in Taurus and fully suffered by Rahu and Saturn. The Moon placed at 2<sup>nd</sup> house in Cancer zodiac and the Lord of second house was also Moon placed at same house. The 3<sup>rd</sup> house was occupied by Rahu, Saturn, Mars and Jupiter and fully seen by Ketu. The Lord of forth house was Mercury placed at 12<sup>th</sup> house in Taurus and fully suffered by Saturn and Rahu. The Lord of 5<sup>th</sup> house was Venus placed at Lagna and fully suffered by Ketu. The Lord of 6<sup>th</sup> house was Mars placed with Jupiter, Saturn and Rahu at 3<sup>rd</sup> house in Leo and fully seen by Ketu. The Lord of 7<sup>th</sup> house was Jupiter placed at 3<sup>rd</sup> house in Leo and fully seen by Ketu. The Lord of 8<sup>th</sup> house was Saturn placed with Jupiter and Rahu in 3<sup>rd</sup> house. The Ketu placed at 9<sup>th</sup> house in Aquarius which gives full sight to the Lagna..

Note: The Taurus zodiac placed at 12<sup>th</sup> house. Whereas, the triangle of 6<sup>th</sup>, 8<sup>th</sup>, 12<sup>th</sup> house consider as a negative fruit.

➤ **Case number 9**

The Lagnes (Sun) placed at 8<sup>th</sup> house in Pisces which was fully suffered by Rahu. The Lagna fully suffered by Mars in Leo zodiac symbol. The Lord of 2<sup>nd</sup> was Mercury co-jointly placed with Jupiter at 7<sup>th</sup> house in Aquarius. The Lord of 3<sup>rd</sup> house was Venus placed at disease house in Carpi corm. The Rahu placed at 4<sup>th</sup> house in Aries and gives full-sight to the 8<sup>th</sup> house. The Lord of 6<sup>th</sup> house was Saturn placed at 11<sup>th</sup> house in Gemini. Whereas, the Jupiter give full sight to the Saturn. The Lord of 8<sup>th</sup> was Jupiter co-jointly placed with Mercury at 7<sup>th</sup> house in Aquarius. The Chandra, Mangala and Ketu (Moon, Mars and Ketu) were placed at 10<sup>th</sup> house in Taurus and fully suffered by Rahu. The Saturn placed at 11<sup>th</sup> house in Gemini which fully sight the 8<sup>th</sup> house. Whereas, the 8<sup>th</sup> house consider as a long term disease house also seen by Rahu. The Lord of 12<sup>th</sup> house was Moon placed with Mars and Ketu at 10<sup>th</sup> house in Taurus.

Note: The Taurus zodiac victimized by Mars.

➤ **Case number 10:**

The Lagnes (Mars) placed at Lagna in Scorpio which give full sight to the 8<sup>th</sup> house. The Lord of 2<sup>nd</sup> house was Jupiter co-jointly placed with Ketu at 11<sup>th</sup> house Virgo and fully sighted by Rahu. The Lord of 3<sup>rd</sup> and 4<sup>th</sup> house was Saturn placed with Venus at 6<sup>th</sup> house in Aries This house consider as a disease house. The Venus co-jointly placed with Saturn at 6<sup>th</sup> house in Aries and the Lord of 6<sup>th</sup> was Mars placed at Lagna in Scorpio zodiac sign. The Mercury placed at 7<sup>th</sup> house in Taurus and fully suffered by Mars. The Lord of 7<sup>th</sup> was Venus placed with Saturn at 6<sup>th</sup> house. The Lord of 8<sup>th</sup> was Mercury placed at 7<sup>th</sup> house in Taurus. The Lord of 9<sup>th</sup> was Moon co-jointly placed with Sun at 8<sup>th</sup> house in Gemini. The Lord of 10<sup>th</sup> was Sun placed with moon at 8<sup>th</sup> house. The Lord of 12<sup>th</sup> house was Venus co-jointly placed with Saturn at 6<sup>th</sup> house in Aries.

Note: The Astamesh (Mercury) placed at the Taurus zodiac sign.

**V. Discussion**

As per astrological risk factor analysis, every human bodily organs have their own causal-planet system. According to the nature of that planet, the disease, too, comes to occur when the native is susceptible to any kind of the disease.

According to the Vedic astrology, the second house of the kundali, the Brish rashi (Taurus) and Lord of the B

rish- Rashi is the Venus which is the causal factor of the mouth and oral cavity, on condition of the influence of the sinful planets and the Venus, Taurus or causal-planets of relevant parts of oral cavity being weak and tortured by the sinful planets, the Natives is susceptible to the oral cancer.

Oral cancer incidence doesn't mean that only one bodily cancer but it covers the lip, mouth, palate, gum, and above all the cavity along with the other unspecified sides.

Every human bodily organ have their own causal-planet system. According to the nature of that planet, the disease, too, comes to occur when the native is susceptible to any kind of the disease.

**VI. Conclusion**

Medical astrological analysis showed the effect of sinful planet to causal planet and relevant organs are likelihood of oral cancer. Hence, it is better to include the Medical astrology in modern healthcare system to take prevention against oral cancer.

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## References

1. Acharya, Guru Prasad Gaud, Satapanchasikha, Chaukhamba Surmati Prakashan Baranashi, 2015.
2. Brahmanandha Tripathi, Laghu Jatakam, Barahamahir, Chaukhamba Surmati Prakashan Baranashi, 2016.
3. Cancer hand book, B.P.Koirala Memorial Cancer Hospital, Cancer Prevention Control and Research Department, November 2009.
4. [Cancer today". gco.iarc.fr](http://gco.iarc.fr). Retrieved 9 June 2019.
5. Edge, Stephen B. (2010). AJCC cancer staging manual. American Joint Committee on Cancer (7th ed.). New York: Springer. ISBN 9780387884400. OCLC 316431417.
6. E., Marx, Robert (2003). Oral and maxillofacial pathology: a rationale for diagnosis and treatment. Stern, Diane. Chicago: Quintessence Pub. Co. ISBN 978-0867153903. OCLC 49566229.
7. Gopes Kumar Ojha, Faldipika, Motilal Banarasi Das, Baranasi 2069 AD
8. Gopes Kumar Ojha, Jatak Parijat, Third Part, Motilal Banarasidas, Baranasi, 2018
- Global cancer statistics 2018:
9. ["Head and Neck Cancers". CDC](http://www.cdc.gov). 2019-01-17. Retrieved 2019-03-10.
10. International Classification of Disease for oncology, WHO/IARC 3rd Edition, Lyon France, 2000.
11. Kuber Nath Bhattra, practical Astrology, Ratna Pustak Bhandar, 2013
12. Kalyan Dutta Sharma , Jyotish Piyus, Bed Mata Gayatri Trust, Shantikunja, Hatidaur, U.P.,
13. Laghujatakam, Kamala Kanta Pandey, Chaukhamba Surbharati Prakashan, Baranasi, India
- 14.. Matrika Prasad Pandey, Bhaswoti, Chaukhamba Sanskrit Sasthan, Baranasi, 1985 AD
15. Mani Prasad Tiwari, Trikal Jannma Kundali, Dattatraya Prakashan, Baranasi, U.P. India
16. Muhurtha Chintamani, Babai Pustak Bhawan, Kachaudigali, Baransi, U.P. India, 2075
17. National Cancer Registry Programme, Report of Hospital Based National Cancer Registry 2003, B.P. Koirala Memorial Cancer Hospital Bharatpur, Chitwan, Nepal
18. National Cancer Registry Programme, Report of Hospital Based National Cancer Registry 2013, B.P. Koirala Memorial Cancer Hospital Bharatpur, Chitwan, Nepal
18. National Cancer Registry Programme, Report of Hospital Based National Cancer Registry 2014, B.P. Koirala Memorial Cancer Hospital Bharatpur, Chitwan, Nepal
20. National Cancer Registry Programme, Report of Hospital Based National Cancer Registry 2015, B.P. Koirala Memorial Cancer Hospital Bharatpur, Chitwan, Nepal
21. Prativa Neupane, et.al., Influence of Celestial Bodies on Thyroid Disorder – A Case Study, International Journal of Recent Academic Research (ISSN: 2582-158X) Vol. 01, Issue 07, pp.317-320, October 2019, <http://www.journalijrar.com>
- 22.. Ramesh Chandra Sukla, Chamatkar Chintamani, Shiva Sanskrit Sasthan, Baranasi, India Astrological Point of View - A Case Study,



- International Journal of Innovative Research in Science, Engineering and Technology, Vol. 8, Issue 7, July 2019.
23. Subedi et al., Involvement of Solar Planets with Incidence of Hypertension from the Perspective of Medical Astrology - A Case Study, International Journal for Research & Development in Technology, Volume -12, Issue1, July 2019.
24. Subedi et al., Association of Solar Planets with occurrence of Diabetes from the Medical
25. Subedi et al. Effect of solar System on Piles (Hemorrhoids) -A Case Study Based on Medical Astrology, International Journal of Innovative Science and Research Technology, Volume 4, Issue 5, May 2019
26. Subedi et al. Medical & Astrological Study on the Impact of Celestial Bodies for Cancer-Susceptibility-A Case Study, Journal of Emerging Technologies and Innovative Research (JETIR) [www.jetir.org](http://www.jetir.org), Volume 6, Issue 6 , June 2019
27. Subedi et al. Medical & Astrological Study on the Impact of Celestial Bodies for Cancer-Susceptibility-A Case Study, Journal of Emerging Technologies and Innovative Research (JETIR) [www.jetir.org](http://www.jetir.org), Volume 6, Issue 6 , June 2019
28. Subedi et al. Cancer-Susceptibility from the Medical Astrological Perspective - A Case Study, International Journal of Innovation Sciences and Research, Vol.8, No, 08, pp.1480-1484, August, 2019
29. Subedi et al. Involvement of Solar Planets with Incidence of Hypertension from the Perspective of Medical Astrology - A Case Study, International Journal for Research & Development in Technology, Volume -12, Issue-1 July 2019.
30. Subedi et al. Association of Solar Planets with occurrence of Diabetes from the Medical Astrological Point of View - A Case Study, International Journal of Innovative Research in Science, Engineering and Technology Vol. 8, Issue 7, July 2019
31. Subedi et al. Effect of solar System on Piles (Hemorrhoids) - A Case Study Based on Medical Astrology, International Journal of Innovative Science and Research Technology, Volume 4, Issue 5, May 2019.
32. 27. "[USCS Data Visualizations](https://gis.cdc.gov/)". [gis.cdc.gov](https://gis.cdc.gov/). Retrieved 2019-03-10.