

## Malocclusion And Zodiac Signs: A Correlative Study

### Abstract

The etiology of malocclusion still remains a dilemma as it is difficult to prove a single major cause of malocclusion. The main aim of this study was to evaluate malocclusion among the individuals of different Zodiac signs. Our study included 600 healthy individuals in the age range of 16 to 30 years. This study comprised of 50 subjects under each of the twelve zodiac sun signs. Statistical analysis with ANOVA test showed that the variation of Zodiac Sun Signs with malocclusion was highly significant. Among all the Zodiac Sun Signs, Aries and Taurus had the highest prevalence of class II malocclusion. Capricorn was found to have the highest prevalence of class III malocclusion which was statistically highly significant. Thus we can say that there is a relationship between malocclusion and zodiac signs. Thus, it can be said that the Zodiac signs do have a role in determining malocclusion.

### Key Words

Zodiac Sun signs, malocclusion, preventive dentistry

### Introduction

Part of the philosophy of the early orthodontists was their belief in the perfectibility of man. Edward Angle and his contemporaries, influenced by the romanticized view of primitive peoples commonly held 100 years ago, took it for granted that malocclusion was a disease of civilization and blamed it on improper function of the jaws under the "degenerate" modern conditions. Classical (Mendelian) genetics developed rapidly in the first part of the twentieth century, and a different view of malocclusion gradually replaced the earlier one. As the 21st century moves ahead, a more balanced view seems to be emerging. Contemporary research has refuted the simplistic picture of malocclusion as resulting from independent inheritance of dental and facial characteristics, but the research findings consistently have shown also that there are no simple explanations for malocclusion in terms of oral function.<sup>[1]</sup>

The etiology of malocclusion still remains a dilemma as it is difficult to prove a single major cause of malocclusion. Most researches have proposed two broad sets of theories to explain the cause of malocclusion, one of which is based on genetics and the other points to the role of environment.<sup>[2]</sup> Malocclusion is an appreciable deviation from the ideal occlusion that may be considered aesthetically unsatisfactory.<sup>[3]</sup> Keeping this view in mind, an attempt is

being made to correlate malocclusion with the Zodiac Sun Signs.

### Aims & Objectives

The main aim of this study is to evaluate malocclusion among the individuals of different Zodiac signs. This unique study is also being done with a purpose as to whether a particular 'Zodiac Sun Sign' can predict an individual's malocclusion in the same way as other aspects of the person concerned are being predicted.

### Materials & Methods

The subjects of this particular study included 600 apparently healthy individuals of both the sexes. They were randomly selected from various colleges in Jaipur and were in the age range of 16 to 30 years. Subjects were asked to bring a copy of their birth certificate. Since the individuals came from different sections of the society, it in itself removed any bias. The Zodiac sun signs are based on the date of birth as mentioned in **Table 1**.

The malocclusion of all the subjects was assessed and recorded in a chart in a systematic manner. This study comprised of 50 subjects under each of the twelve zodiac sun signs. Their statistical analysis (ANOVA test) and their distribution in normal occlusion and malocclusion are shown in **Tables 2, 3 and 4** and **Charts 1 and 2**. Various types of malocclusions were then compared among the 12 sun signs.

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Table - 1 : Zodiac Signs Based On Date Of Birth

Zodiac Signs	Birth Date
Aries	21st March To 19th April
Taurus	20th April To 20th May
Gemini	21st May To 20th June
Cancer	21st June To 22nd July
Leo	23rd July To 22nd August
Virgo	23rd August To 22nd September
Libra	23rd September To 22nd October
Scorpio	23rd October To 21st November
Sagittarius	22nd November To 21st December
Capricorn	22nd December To 19th January
Aquarius	20th January To 18th February
Pisces	19th February To 20th March

### Results And Discussion

**Table 3** shows that the highest prevalence of malocclusion was found in Capricorn and the least prevalence was found in Libra which was statistically significant.

Statistical analysis with ANOVA test in **Table 4** shows that the variation of Zodiac

Table - 2 : Distribution Of Normal Occlusion Among Different Zodiac Signs

Zodiac Sign	Normal Occlusion
Aries	10
Taurus	13
Gemini	11
Cancer	11
Leo	20
Virgo	10
Libra	19
Scorpio	15
Sagittarius	15
Capricorn	7
Aquarius	13
Pisces	14

Table - 3 : Distribution Of Malocclusion Among Different Zodiac Signs

Zodiac Signs	Malocclusion
Aries	40
Taurus	37
Gemini	39
Cancer	40
Leo	34
Virgo	41
Libra	32*
Scorpio	35
Sagittarius	36
Capricorn	43**
Aquarius	37
Pisces	37
Total	411

\*SEP = 0.077, p = 0.0778 (significant at level 0.10)  
 \*\* SEP = 0.048, p = 0.1046 (p > 0.05, hence, not significant)

Table - 4 : Statistical Analysis With Anova Test

Zodiac Sign	Normal Occlusion	Class			Total
		I Malocclusion	II Malocclusion	III Malocclusion	
Aries	10	14	23	3	50
Taurus	13	13	22	2	50
Gemini	11	26	11	2	50
Cancer	10	31	7	2	50
Leo	16	22	9	3	50
Virgo	9	36	3	2	50
Libra	18	18	12	2	50
Scorpio	15	14	16	5	50
Sagittarius	14	19	15	2	50
Capricorn	7	11	14	18	50
Aquarius	13	19	16	2	50
Pisces	13	19	16	2	50
Total	149	242	164	45	600

F=22.17, p=0.000

Sun Signs with malocclusion is highly significant (P<0.001). Among all the Zodiac Sun Signs, Aries and Taurus had the highest prevalence of class II malocclusion. Capricorn was found to have the highest prevalence of class III

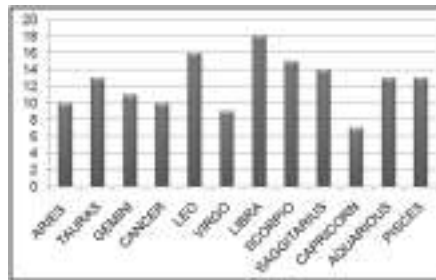


Chart - 1 : Distribution Of Normal Occlusion Among Different Zodiac Signs



Fig - 1 : Zodiac Sun Signs

malocclusion which was statistically highly significant. Thus we can say that there is a relationship between malocclusion and zodiac signs.

A survey of Angle's classes in a sample of Native American Chippewa Indian children and adolescents (6 to 18 years of age) living in Minnesota was conducted to study the frequencies of Class I, Class II and Class III malocclusion. The frequencies of total malocclusion and Class I malocclusion in Chippewa Indian children were high, whereas the frequencies of Class II and Class III malocclusion were lower or similar to that of white or black American adolescents.<sup>[4]</sup>

Helm studied malocclusion in 1700 Danish children and adolescents 9 to 18 years of age and found that about 14% had normal occlusion, 58% had Class I malocclusion, 24% had Class II malocclusion, and about 4% had Class III malocclusion.<sup>[5]</sup>

Brunelle, Bhat, and Lipton reported the incidence of certain occlusal traits in noninstitutionalized people in the United States among three racial groups (whites,

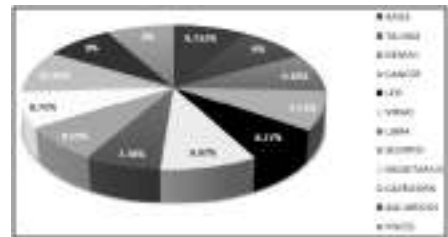


Chart - 2 : Percentage Distribution Of Malocclusion Among Different Zodiac Signs

black and Mexican-American).<sup>[6]</sup>

## Conclusions

Thus, it can be said that the Zodiac signs do have a role in determining malocclusion. No previous studies have been reported in this regard. Further studies on a large sample size may be quite interesting and there will be a day when we can predict malocclusion just by knowing the Zodiac sun sign. This may be helpful in Preventive dentistry too.

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