EVALUATION OF PERSONALITY TYPE OF FIRST YEAR MEDICAL STUDENTS
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ABSTRACT: Even though research in health professional education has confirmed that non-cognitive factors like personality has importance in selection, training and academic performance of the students. To prepare competent medical doctors, medical schools need to monitor and assess the students at regular intervals. Personality typing is a useful tool for counselling, motivation and guidance of the students and if considered while developing of course will enhance learning and improve the performance of the medical students. So it is necessary a blend of personality characteristics with the cognitive ability of learner during medical education to become a successful medical student. Aim of the present study was to assess the personality type using Myers-Briggs Type Indicator (MBTI) among the first year medical students of J. N. Medical College Belgaum.

METHODOLOGY: One hundred and fifty students gave consent and enrolled in this study. Consented students were subjected to MBTI questionnaire to identify their personality type. RESULTS: MBTI questionnaire was used to identified personality type of the students, out of 150 students were 80 Extroverts (E), 70 Introverts (I), 90 Perceivers (P), 60 Judgers (J), 76 Filling, 57 sensing, 93 intuitive, 74 thinking type i.e E>I, P>J, F>S and N>T. The most common personality type was ENFP (14%) remaining types showed INFP (12%), INTP (9.3%). INFJ, ENFJ, ESFJ, ESFP were of equal percentage (6.7%). CONCLUSION: It has been seen that different type of personalities are found in different medical schools and health professionals and poor performance and drop out of the student occur from the course when the course structure, teaching format and personality type do not match. Hence there is a need to assess every individual’s personality type which helps in counseling and guidance to learners as a part of remedial measures especially for the low achievers to maximize the learning and students who are prone to drop out from the course in the medical school.

KEYWORDS: Personality, Medical students.

INTRODUCTION: Even though research in health professional education has confirmed that non-cognitive factors like personality has importance in selection, training and academic performance of the students admissions occur in many medical school only on basis of merit or cognitive factor. It is reported that intellectual abilities account for about 35% of the variance in performance, but inclusion of personality information increased the common variance to 75%.8 Poor performance and drop out of the students occur from the course when the course structure, teaching format and personality type do not match and they require academic assistance at transition point from undergraduate to graduate training or professional training.9,10,11 To prepare competent medical doctors, medical schools need to monitor and assess the students at regular intervals.12 Personality typing is a useful tool for counselling, motivation and guidance of the students3,4,8,13 and if considered while developing of course will enhance learning and improve the performance of the medical students.3 So it is necessary a blend of personality characteristics with the cognitive ability of learner during medical education to become a successful medical student.13
There are many kinds of personality measures used with medical students. Myers-Briggs Type Indicator (MBTI) is one of them widely used valid and reliable instrument used in medical and other professions to measure of personality traits. It is developed by Isabel Briggs Myers and Katherine Cooks Briggs and this inventory is based on Carl Jong's theory it identifies four separate dichotomies: Extroversion (E) v/s. Introversion (I), Sensing (S) v/s. Intuition (N), Thinking (T) v/s. Feeling (F) and Judging (J) v/s. Perceiving (P). These types can also be compressed into the following two types based on traits: Sensing-Thinking (ESFP, ESTP, ISTJ, ISFJ, ESTJ, INTJ, ISTP, INTP) and Intuition-Feeling (ENTP, ENFP, INTJ, INFJ, ESFJ, ENFJ, ISFP, INFP). Considering above mentioned facts the present study was aim to assess the personality type using Myers-Briggs Type Indicator (MBTI) among the first year medical students of J N Medical College Belgaum.

METHODOLOGY: The present study was conducted for first year medical students of 2013-14 batch of KLE University’s JN Medical College, Belgaum in department of Physiology. Ethical clearance was obtained from institutional ethical committee. The study was explained to the students and assured that the data will be used only for research purpose and assured them of strict confidentiality will be maintained. One hundred and fifty students gave consent and enrolled in this study. Consented students were subjected to MBTI questionnaire to identify their personality type.

Statistical Analysis: Descriptive statistics was used to analyze the personality type.

RESULTS: MBTI questionnaire was used to identified personality type of the students, out of 150 students were 80 Extroverts (E), 70 Introverts (I), 90 Perceivers (P), 60 Judgers (J), 76 Filling, 57 sensing, 93 intuitive, 74 thinking type i.e. E>I, P>J, F>S and N>T. The most common personality type was ENFP (14%) remaining types showed INFP (12%), INTP (9.3%). INFJ, ENFJ, ESFJ, ESFP were of equal percentage (6.7%). These personalities represent 61.8%. The findings of MBTI are summarized in table 1a and 1b.

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<th>S</th>
<th>N</th>
<th>T</th>
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<td>6.7%</td>
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Table 1a: Result of MBTI
DISCUSSION: MBTI questionnaire was used to identify personality type. In the present study extroverted type students were more than introverted type students, Extroverted (E) students prefer working with group and having discussions while, Introverted students prefer learning situation where they can primarily work individually. This finding is not consistent with Tharpa in Physiology course who reported more number of introverted students than extroverted. In present study intuitive (N) type students were more than sensing type (S). Students classified as intuitive prefer tasks that call for imagination and quickness of insight and learn about things through contemplation and discussion. On other hand sensing students prefer task that call for going step by step while observing facts and prefer hands on and factual information. Rowe found summer science research students to be more N than S type as represented in this study.

In this study we found that Feeling (F) type were more than thinking type and Perceiving (P) type who like to follow their impulses and work in flexible, informal manner were more than judging students. As it was found in this study that EP type students who represented 46(32%) of the study population were more prone to failure in Physiology and other health professional education, “they need to become more organized in their study habits and develop their concentration and reasoning skills”. Students preferring Sensing and Judging type of learning that fit in the traditional type of instruction and learning environment represented only 18% of the study population.

In present study NF personality represented 40% of study population. It has been suggested that NF students due to unique nature of personality, require more test-taking techniques to become successful. In addition deliberate practice with appropriate, formative feedback, with just not merely the repetition of an activity, is required to improve performance of the students.

In this study we found that the most frequently occurred learning style was ENTP which was similar with the study conducted by Shuck AA et al in pharmacy students. In contrast Jesee et al found only 7% of this type of students in their study. In our study ENP, INFP, INTP, ENFJ were the most common four personalities found, where as in the study conducted by Jessee et al ISTJ, ESFJ, ESTJ and ISFJ were the most common four personalities found, but in the study of Huit in Indian medical student ISTJ, ISFJ, ISTP and ESTJ were the most common personalities and among non-Indian students ISTJ, ISFJ, ISTP and ESTJ were the most commonest.

CONCLUSION: It has been seen that different type of personalities are found in different medical schools and health professionals and poor performance and drop out of the student occur from the course when the course structure, teaching format and personality type do not match. Hence there is a need to assess every individual’s personality type which helps in counseling and guidance to learners as a part of remedial measures especially for the low achievers to maximize the learning and students who are prone to drop out from the course in the medical school.
REFERENCES: