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Evaluation of Abo Blood Groups Distribution in Patients with Diabetes Mellitus Type 2 Andhra Pradesh. Type 2 Diabetes Risk Lower For Blood Type O.

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Abstract

In people with diabetes and blood pressure however, paralysis often doesn't offer clues, so those people may medical care that were diagnosed with diabetes mellitus type 2. Further ABO blood groups were analyzed: A, B, AB and O. Type 2 Diabetes Risk Lower for Blood Type O. The presence of following risk factors was analyzed: B positive family history.

INTRODUCTION:-

The aim of our study was to evaluate distribution of ABO blood groups in sample of patients with diagnosed diabetes mellitus type 2 from Andhra Pradesh. We have evaluated 50 patients from Andhra Pradesh that were diagnosed with diabetes mellitus type 2. Further ABO blood groups were analyzed: A, B, AB and O. Type 2 Diabetes Risk Lower for Blood Type O. The presence of following risk factors was analyzed: positive family history, blood pressure and paralysis. Separately male and female genders were evaluated. The most frequent type of blood group in patients with diabetes mellitus type 2 was A blood group, while the least frequent was AB blood group. There is significant increase in distribution of AB blood group in patients with DM type 2 from Andhra Pradesh compared with frequencies in Andhra Pradesh population (p<0.07), while for other types of blood groups within ABO system we found non significant distinctions. The highest proportion of evaluated risk factors was noticed for patients with O blood group, while the least proportion for those with A blood group but without statistical significance. Although the sample size of patients is small, the values of our results cold be the initial trends of possible correlation between ABO blood groups and diabetes mellitus type 2 and correlation between ABO blood groups and risk factors in patients with diagnosed diabetes mellitus type 2. Therefore, further studies are needed on larger number of patients. pregnant defect, man infertile etc.,

Materials and Methods:-

The aim of the present study is to analyze blood group abnormalities in diabetes mellitus and high blood pressure collection of secondary data from the live record C.Mohan Rao S/O C.Ranoji Rao Virupakshipuram (VII), Chapidipalle-517432Palmaner Tq, Chittoor Dist (Andhra Pradesh).



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Data sources and searches

We searched in the following electronic database: MEDLINE (1952 TO 2007), EMBASE (1980 to 2007), (1982 to 2007), web of sciences (2007).

1. PATIENT HISTORY

MALE/FEMALE	MALE
MARRIED/UNMARRIED	MARRIED
BLOOD GROUP	B+
DIABETES LEVEL	114
AGE	51
INJURY IN BODY	PARALYSIS ATTACK LEFT/HAND-LEG
CONCLUSION OF DISEASE	ACUTE ISCHEMIC STROKE

2. PATIENT HISTORY

MALE/FEMALE	MALE
MARRIED/UNMARRIED	MARRIED
BLOOD GROUP	B+
DIABETES LEVEL	233
AGE	52
INJURY IN BODY	PARALYSIS ATTACK LEFT/HAND-LEG
CONCLUSION OF DISEASE	Bp normal

3. PATIENT HISTORY

MALE/FEMALE	FEMALE
MARRIED/UNMARRIED	MARRIED
BLOOD GROUP	B+
DIABETES LEVEL	205
AGE	55
INJURY IN BODY	PARALYSIS ATTACK RIGHT/HAND-LEG
CONCLUSION OF DISEASE	Bp normal

4. PATIENT HISTORY

MALE/FEMALE	MALE
MARRIED/UNMARRIED	MARRIED
BLOOD GROUP	B+
DIABETES LEVEL	400
AGE	60
INJURY IN BODY	PARALYSIS ATTACK LEFT/HAND-LEG
CONCLUSION OF DISEASE	Bp normal

5. PATIENT HISTORY

MALE/FEMALE	MALE
MARRIED/UNMARRIED	MARRIED
BLOOD GROUP	B+
DIABETES LEVEL	NORMAL LEVEL
AGE	71



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INJURY IN BODY	40 TH AGE PARALYSIS ATTACK
	RIGHT/HAND-LEG/MOUTH ALSO
	DEVIATION
CONCLUSION OF DISEASE	High Bp present

6. PATIENT HISTORY

MALE/FEMALE	FEMALE
MARRIED/UNMARRIED	MARRIED
BLOOD GROUP	B+
DIABETES LEVEL	346
AGE	55
INJURY IN BODY	PARALYSIS ATTACK LEFT/HAND-
	LEG,VOICE STRUCK
CONCLUSION OF DISEASE	High Bp present

7. PATIENT HISTORY

MALE/FEMALE	MALE
MARRIED/UNMARRIED	MARRIED
BLOOD GROUP	B-
DIABETES LEVEL	103.4
AGE	60
INJURY IN BODY	AGE 42 PARALYSIS ATTACK LEFT/HAND-
	LEG
CONCLUSION OF DISEASE	High Bp present

8. PATIENT HISTORY

MALE/FEMALE	MALE
MARRIED/UNMARRIED	MARRIED
BLOOD GROUP	A+
DIABETES LEVEL	157
AGE	60
INJURY IN BODY	PARALYSIS ATTACK RIGHT/HAND-LEG
CONCLUSION OF DISEASE	High Bp present

9. PATIENT HISTORY

MALE/FEMALE	MALE
MARRIED/UNMARRIED	MARRIED
BLOOD GROUP	B+
DIABETES LEVEL	212
AGE	62
INJURY IN BODY	PARALYSIS ATTACK RIGHT/HAND-LEG
CONCLUSION OF DISEASE	High Bp present

10. PATIENT HISTORY

MALE/FEMALE	MALE
MARRIED/UNMARRIED	MARRIED
BLOOD GROUP	B+
DIABETES LEVEL	246
AGE	46



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INJURY IN BODY	PARALYSIS ATTACK RIGHT/HAND-LEG
CONCLUSION OF DISEASE	High Bp present

Conclusion:-

We have evaluated 50 patients from Andhra Pradesh that were diagnosed with diabetes mellitus type 2 and high blood pressure. Further ABO blood groups were analyzed: A, B, AB and O. Type 2 Diabetes Risk Lower for Blood Type O. The presence of following risk factors was analyzed:B positive family persons affected more paralysis.

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