Research Abstract

My research abstract shows the comparison of C-reactive protein Albumin Ratio CAR versus Coronary Artery Ecstasia (CAE) myocardial infarction-in stroke patients (case group) and the control group from ages of (35-75) years of age and (21 to 42) years of age respectively. This was estimated using the Human ELISA (Enzyme linked immunosorbent assay) kit for both the case and control group. However, there was a significant range of difference in the CAR ratio showing higher values in H2, H3, H7, H8, H9, D3, D5, D8, D9, DH1, DH3 and S2 which(indicating the presence of an inflammation) are seen to exceed the borderline and the other variables are seen to be below the borderline with the mean= ± 2.206 being used as a benchmark. It is also seen that stroke patients ranging from 60-75 years of age have blood pressure of 140/100mmHg, 150/100mmHg, 140/80mmHg for S1, S2 and S3 respectively and having a CAR ratio of 1.218, 3.857 and 2.074. My research comparing C-reactive protein to Albumin ratio myocardial infarction in stroke patients delves into the clinical collection of data of both case and control patients. The case patients were seen to exhibit certain underlying diseases such as; diabetes, diabetes-hypertension, stroke, and hypertension. With a focus on stroke using the case patients' clinical data, this research links the correlation between these underlying diseases and how they contribute to myocardial infarction in middle aged men and women.

N:B Our main focus is centered on the case patients.

C-reactive Protein to Albumin Ratio Myocardial Infarction- Stroke Patients.

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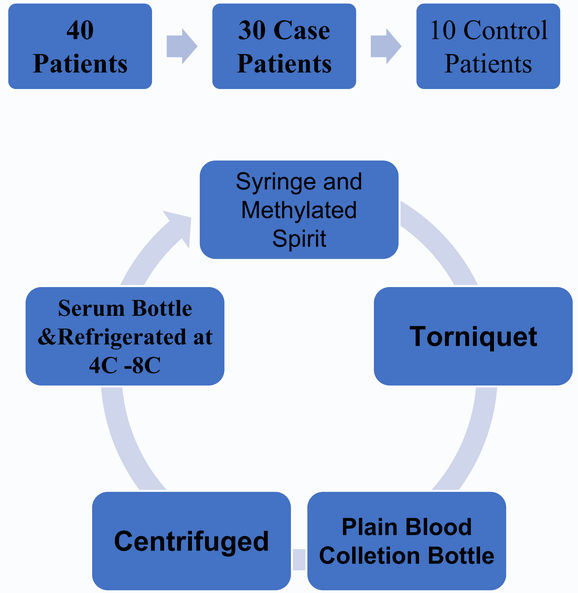
Abstract

- My research comparing C-reactive protein to Albumin ratio myocardial infarction in stroke patients delves into the clinical collection of data of both case and control patients.
- This was estimated using the Human ELISA (Enzyme linked immunosorbent assay) kit for both the case and control group.
- With a focus on stroke using the case patients' clinical data, this research links the correlation between these underlying diseases and how they contribute to myocardial infarction in middle aged men and women.

Objectives

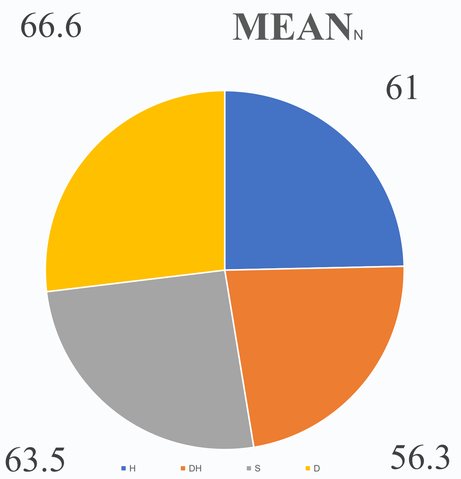
- To analyse the association of coronary artery ecstasia (CAE) and C-reactive protein albumin ratio(CAR)- in stroke patients.

Materials and Methods



- Centrifuge

Results



Let,
Hypertension stand for (H) with mean age 61
Diabetes-Hypertension stand for (DH) with mean age 63.57
Stroke stand for (S) with mean age of 66.6
Diabetes stand for (D) with mean age 56.3
Case Patient findings;
Systolic and diastolic readings respectively ranging from 100-190 and 60-110mm/Hg.
CRP reference range from 2.5- 6.8
CAR Ratio= 0.785-4.400
Mean =± 2.206
Standard deviation (SD) = ±1.166
N:B: 60%(18 out of 30) of the patients was < than 2.206 and 40%(12 out of 30) was seen to be > than 2.206.

Conclusion

- Stroke is a devastating complication .
- It is a neurological disorder .
- According to natures reviews on neurology, it is seen that stroke has been classified by WHO as a cardiovascular Disease.
- Brain-Heart health is avery complex and divverse field of study with new ideas being developed each day through scientific research.
- Age, Sex, Alcohol, smoking , high lipidemic profile/cholesterol, high blood sugar, obesity and overweight all contribute to stroke and myocardial infarction.
- My fututre works for graduate school involves investigating how mental health and stress predisposes young adults to cardiovascular disease, along with recovery and rehabilitation techniques for stroke survior

Reference

- ProteintechR - ptglab.com https://www.ptglab.com> elisa

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