

ANOVA???

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Hi

I am unsure what statistical test to do to compare results between subject and intervention groups in a recent study and wondered if anyone can help.

I have a group of people with diabetes and a group without, half of each group is randomised to a 6 week intervention (A) and half not (B), thus I have 4 groups of completely different people in total.

As the study is a parallel rather than crossover design I have decided to look at changes from baseline and compare these between A and B. However, I am not sure whether to use an ANOVA or non parametric equivalent to compare the change from baseline between all 4 groups (diabetics A & B and non diabetics A and B) or whether to do two sets of t-tests or equivalent so diabetics A v B and non diabetics A v B.

The only thing making me hesitate in doing t-tests is that although the 4 groups are unrelated I expect the diabetics to be more responsive to the intervention than the non diabetics. Therefore I think doing an ANOVA with posthoc test would allow be to see whether the change from baseline in the diabetic A group differs from non diabetic A group

Any help would be greatly appreciated.

Thanks
Jem

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