Presenting statistical results

Reference: Arifin WN, Sarimah A, Norsa'adah B, Majdi YN, Siti-Azrin AH, Imran MK, Aniza AA, Naing L. Reporting statistical results in medical journals. The Malaysian Journal of Medical Sciences: MJMS. 2016 Sep;23(5):1.

Statistical tests	Table form								
Independent <i>t</i> -	Table 1: Comparison of cholesterol level between male and female.								
test	Variable	Mean (SD)		Mean difference (95% CI)	<i>t</i> -statistic (df) e	P-value ^a			
	Cholesterol (mmol/L)	Male $n = 40$	Female $n=40$	-1.08 (-1.3 -0.79)	6, -7.45 (78)	< 0.001			
	aT., J., J., 4	7.69 (0.644)	8.77 (0.646)						
D 1 1 <i>i i i i</i>	Table 2. Comparison of chalasteral basel hafter and the formula of								
Paired <i>t</i> -test	Iable 2: Comparison of cholesterol level before and after treatment.								
	Variable	n = 30		difference (95% C	t-statistic ce (df) I)	P-value ^a			
	Cholesterol (mmol/L)	Before	After	0.81 (0.58, 1.03)	, 7.421 (29)	< 0.001			
		8.25 (0.328)	7.44 (0.681)						
	^a Paired <i>t</i> -test.	. ,	. ,						
One-way ANOVA	Table 3: Comparison of cholesterol level between the three intervention groups.								
	Groups	п	Cholesterol (1 Mean (S	nmol/L) SD)	<i>F</i> -statistic (df1, df2) ^a	P-value ^a			
	Grp A	25	7.26 (0.3	$43) 173.64 < 0.001^{b}$		< 0.001 ^b			
	Grp B	25	7.94 (0.3	19)	(2, 72)				
	Grp C	25	8.95 (0.3	06)					
	^a One-way ANOVA, ^b Post-hoc multiple comparison with Sidak correction shows significant difference between all intervention groups ($P < 0.001$).								
Mann-Whitney U test	Table 4: Comparison of cholesterol level between male and female.								
	Variable Median (IQR)				z-statistic	<i>P</i> -value ^a			
	Cholesterol (mmol/L)	Male $n = 10$	Fema <i>n</i> = 10	le 0	-3.79	< 0.001			
		7.3 (0.6) 8.8 (0		.8)					
	^a Mann-Whitney U test.								
Wilcoxon Signed-Rank test	Table 5: Comparison of cholesterol level before and after treatment.								
	Variable	Median (IQR) n = 10			z-statistic	P-value ^a			
	Cholesterol (mmol/L)	Before	Afte	er	-2.60	0.009			
		8.30 (0.40)	7.55 (1	.10)					
	^a Wilcoxon Signed-Rank test.								

Statistical tests	Table form							
Kruskal-Wallis test	Table 6: Comparison of cholesterol level between the three intervention groups.							
	Groups	п	Cholesterol (mmol/L) Median (IQR)	χ^2 -statistic (df) ^a	<i>P</i> -value ^a			
	Grp A	10	7.35 (0.80)	15.29 (2)	< 0.001 ^b			
	Grp B	10	7.80 (1.40)					
	Grp C	10	9.00 (1.10)					
	^a Kruskal-Wallis test, ^b Post-hoc multiple comparison with Bonferroni correction shows significant difference only between Grp A-Grp C pair ($P < 0.001$).							