Results

Independent Samples T-Test

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		Statistic	df	p
Age	Student's t	-7.90	600	< .001
	Mann-Whitney U	25087		< .001

Note. H_a $\mu_{NNP} \neq \mu_{NP}$

Assumptions

Normality Test (Shapiro-Wilk)

	W	p
Age	0.997	0.409

Note. A low p-value suggests a violation of the assumption of normality

Group Descriptives

	Group	N	Mean	Median	SD	SE
Age	NNP	398	51.7	51.0	14.4	0.723
	NP	204	61.4	62.5	13.7	0.956

Plots

Age
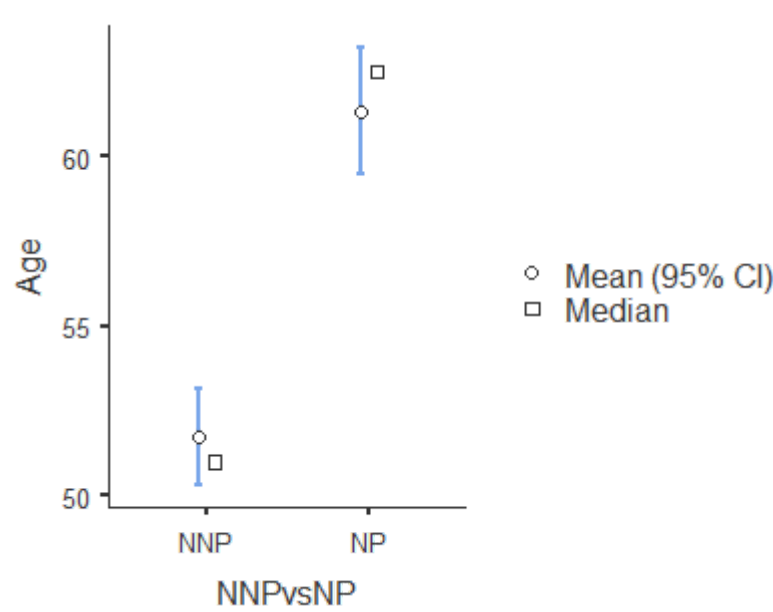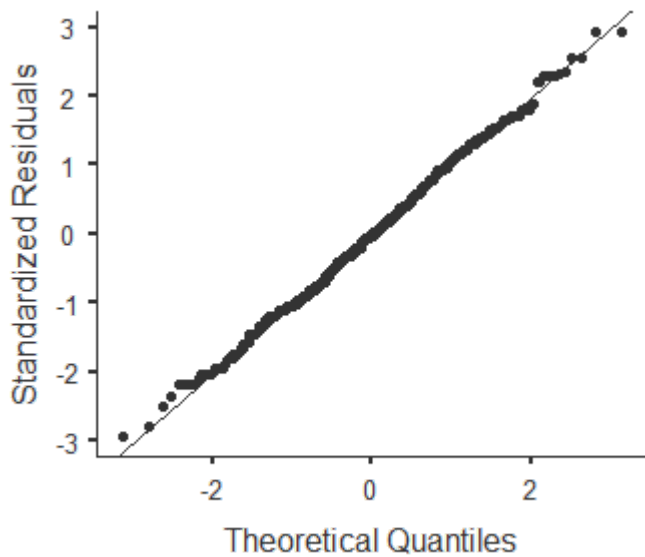
Cross Table - NNPvsNP Age

Welcome to ClinicoPath. This tool will help you form a Cross Table. The functions select hypothesis tests automatically. You may see different results with different tables. Please verify your data distribution and appropriateness of the test accordingly. You may find Statkat module useful. Please cite the packages and jamovi using references below.

finalfit uses *aov (analysis of variance) or t.test for Welch two sample t-test. Note continuous non-parametric test is always Kruskal Wallis (kruskal.test) which in two-group setting is equivalent to Mann-Whitney U /Wilcoxon rank sum test*. See full documentation here.

	CP (N=166)	FMG (N=196)	ICPN (N=120)	iICPN (N=44)	IP (N=17)	NNPwDys (N=33)	Polypoid Invasive (N=26)	PPyloric Metaplasia (N=41)	Total (N=643)	p value
Age										< 0.001[1]
N-Miss	7.0	12.0	2.0	7.0	3.0	9.0	1.0	0.0	41.0	
Mean (SD)	46.3 (12.3)	55.2 (15.0)	61.0 (14.3)	58.6 (12.3)	59.6 (15.5)	57.4 (12.7)	70.7 (9.1)	54.8 (12.7)	55.0 (14.9)	
Range	21.0 - 76.0	23.0 - 93.0	20.0 - 94.0	36.0 - 83.0	38.0 - 85.0	37.0 - 83.0	48.0 - 88.0	24.0 - 77.0	20.0 - 94.0	

1. Linear Model ANOVA
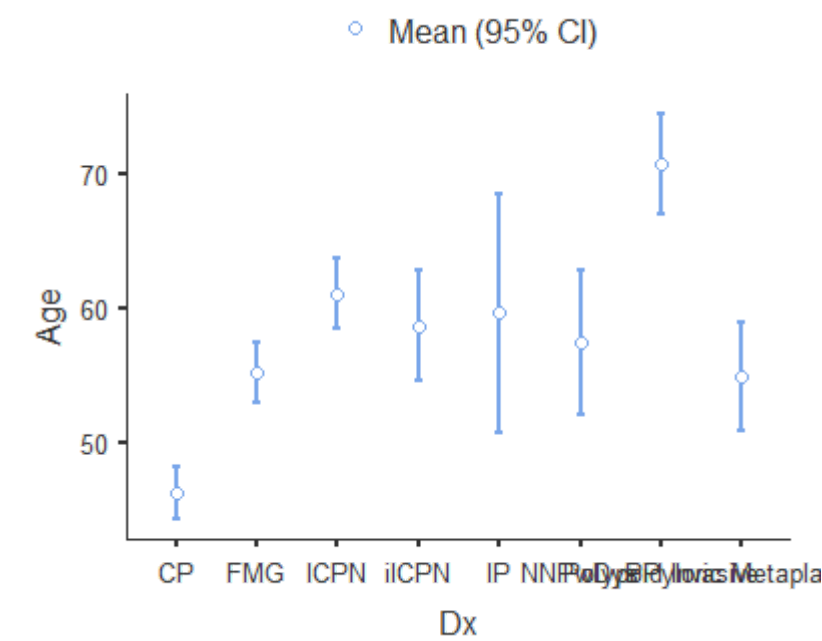
[3]

[4]

One-Way ANOVA

One-Way ANOVA (Welch's)

	F	df1	df2	p
Age	25.0	7	102	< .001

Group Descriptives

	Dx	N	Mean	SD	SE
Age	CP	159	46.3	12.28	0.974
	FMG	184	55.2	14.95	1.102
	ICPN	118	61.0	14.27	1.314
	iICPN	37	58.6	12.33	2.028
	IP	14	59.6	15.46	4.132
	NNPwDys	24	57.4	12.68	2.587
	Polypoid Invasive	25	70.7	9.05	1.811
	PPyloric Metaplasia	41	54.8	12.74	1.990

Plots

Age

Post Hoc Tests

Tukey Post-Hoc Test – Age

		CP	FMG	ICPN	iICPN	IP	NNPwDys	Polypoid Invasive	PPyloric Metaplasia
CP	Mean difference	—	-8.89 ***	-14.77 ***	-12.35 ***	-13.301 *	-11.10 **	-24.45 ***	-8.559 **
	p-value	—	< .001	< .001	< .001	0.011	0.005	< .001	0.008
FMG	Mean difference		—	-5.88 **	-3.46	-4.414	-2.22	-15.56 ***	0.328
	p-value		—	0.006	0.849	0.939	0.995	< .001	1.000
ICPN	Mean difference			—	2.42	1.471	3.67	-9.68 *	6.213
	p-value			—	0.981	1.000	0.930	0.027	0.186
iICPN	Mean difference				—	-0.950	1.25	-12.10 *	3.792
	p-value				—	1.000	1.000	0.014	0.922
IP	Mean difference					—	2.20	-11.15	4.742
	p-value					—	1.000	0.214	0.950
NNPwDys	Mean difference						—	-13.34 *	2.546
	p-value						—	0.014	0.996
Polypoid Invasive	Mean difference							—	15.891 ***
	p-value							—	< .001
PPyloric Metaplasia	Mean difference								—
	p-value								—

Note. * p < .05, ** p < .01, *** p < .001

References

[1] The jamovi project (2022). *jamovi*. (Version 2.3) [Computer Software]. Retrieved from https://www.jamovi.org.

[2] R Core Team (2021). *R: A Language and environment for statistical computing*. (Version 4.1) [Computer software]. Retrieved from https://cran.r-project.org. (R packages retrieved from MRAN snapshot 2022-01-01).

[3] Heinzen, E Sinnwell, J Atkinson, E Gunderson, T Dougherty, G (2018). *arsenal: An Arsenal of 'R' Functions for Large-Scale Statistical Summaries*. [R package]. Retrieved from https://CRAN.R-project.org/package=arsenal.

[4] Serdar Balci (2022). *ClinicoPath jamovi Module doi:10.5281/zenodo.3997188*. [R package]. Retrieved from https://github.com/sbalci/ClinicoPathJamoviModule. link.