Additional statistical considerations

Mixed linear model was used with ONSD measurement from each eye as dependent variable and side (Repeated effects variables), group as independent variables and we found significant P value<0.001 for effect of group on ONSD, table 1s.

Table 1s: Type III Tests of Fixed Effects (Dependent Variable is ONSD)

Source	Numerator df	Denominator df	F	P value
Intercept	1	256.744	9367.849	<0.001
side	1	256.744	1.715	.191
Groups	1	256.744	74.343	<0.001
side * Groups	1	256.744	.510	.476

Mixed linear model was used with OND/ONSD measurement from each eye as dependent variable and side, group as independent variables and we found NON significant P value<0.05 for effect of group on OND/ONSD, table 2s.

Table 2s: Type III Tests of Fixed Effects (Dependent Variable is OND/ONSD)

Source	Numerator df	Denominator df	F	P value
Intercept	1	148.862	2586.348	<0.001
side	1	148.862	.285	.595
Groups	1	148.862	1.266	.262
side * Groups	1	148.862	.994	.320

ONSD cut-off values (table 3s)

Table 3s. Different cutoff values of ONSD to identify IIH patients

ONSD Greater Than	Sensitivity	specificity
3.10000	1.000	0.000
3.55000	0.990	0.000
4.10000	0.985	0.000
4.45000	0.980	0.000
4.70000	0.975	0.029
4.85000	0.975	0.057
4.95000	0.975	0.086
5.05000	0.944	0.129
5.15000	0.924	0.214
5.25000	0.919	0.271
5.35000	0.889	0.300
5.45000	0.874	0.429
5.55000	0.854	0.529
5.65000	0.828	0.700
5.75000	0.803	0.786
5.85000	0.773	0.814
5.95000	0.753	0.843
6.05000	0.732	0.914

6.15000	0.692	0.929
6.25000	0.652	0.971
6.35000	0.616	0.986
6.45000	0.556	0.986
6.55000	0.495	1.000
6.65000	0.470	1.000
6.75000	0.414	1.000
6.85000	0.379	1.000
6.95000	0.328	1.000
7.05000	0.288	1.000
7.15000	0.253	1.000
7.25000	0.217	1.000
7.35000	0.212	1.000
7.45000	0.192	1.000
7.55000	0.162	1.000
7.65000	0.126	1.000
7.75000	0.106	1.000
7.85000	0.086	1.000
7.95000	0.076	1.000
8.15000	0.051	1.000
8.40000	0.045	1.000
8.55000	0.035	1.000
8.70000	0.030	1.000
8.85000	0.025	1.000
9.05000	0.015	1.000
9.35000	0.010	1.000
9.60000	0.000	1.000

The relation between the CSF opening pressure and ONSD, figures 1s and 2s
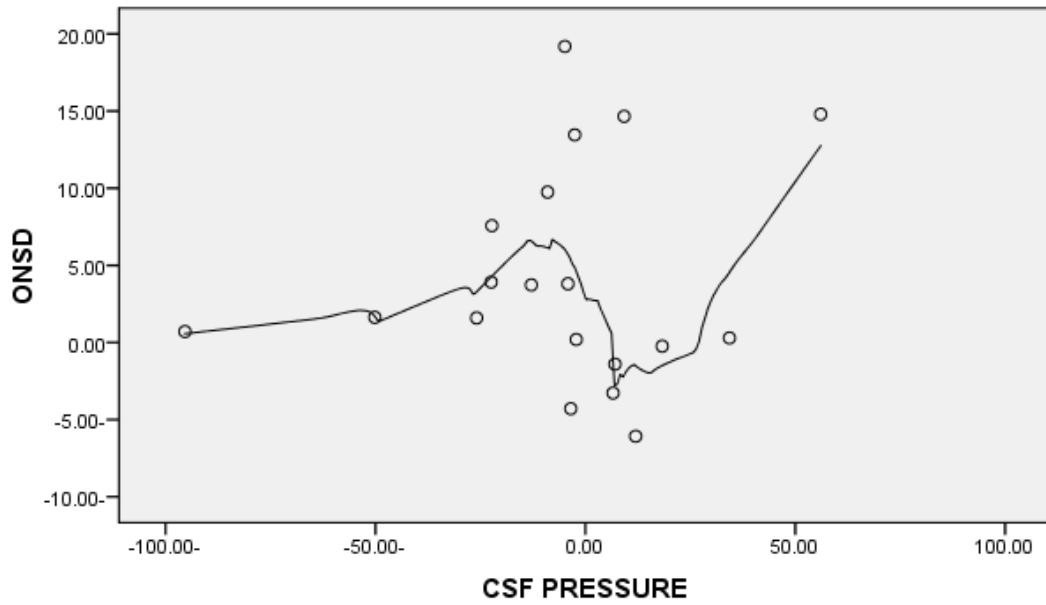
We did not find significant relation between CSF opening pressure and ONSD in linear regression ($F=1.848$ p value=0.192 R^2=0.098). N.B. CSF pressure was not measured in control subjects, to put it in the relation, due to ethical considerations.
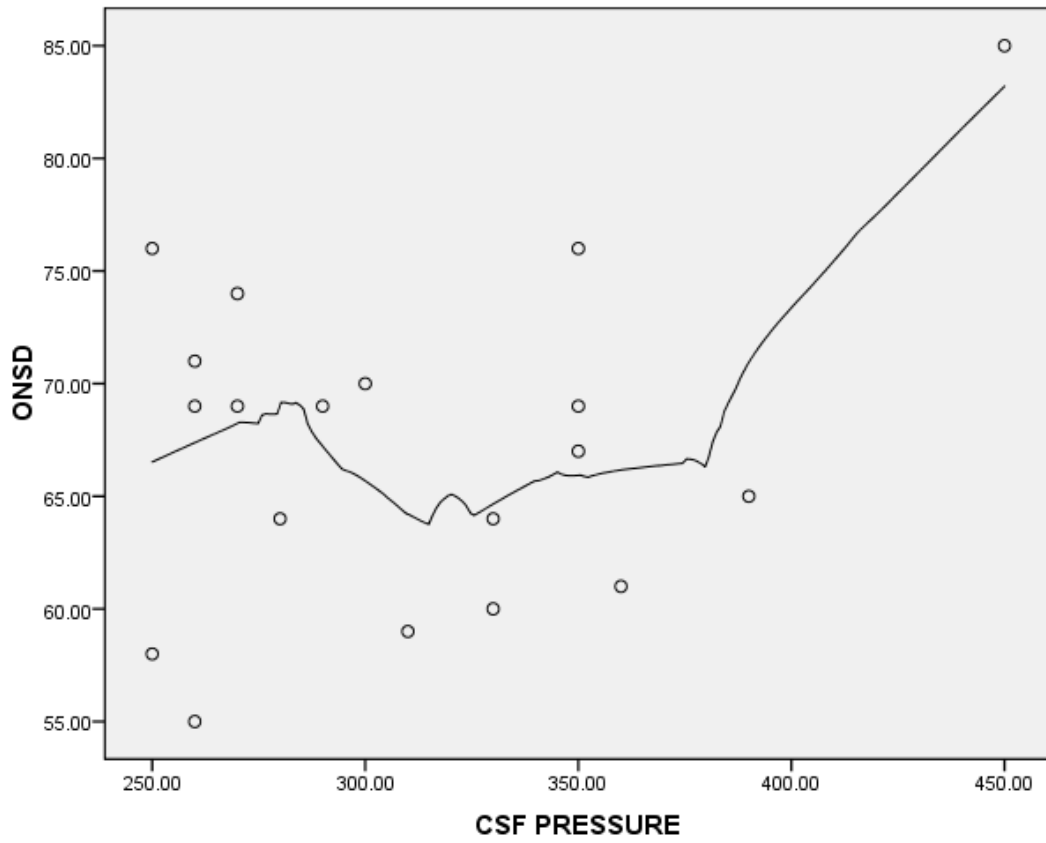
Fig. 1s: Curve with Loess fit line presenting the relation between CSF pressure and ONSD.

Fig. 2s: Partial regression plot in multivariate linear regression with Loess fit line presenting the relation between CSF pressure and ONSD.