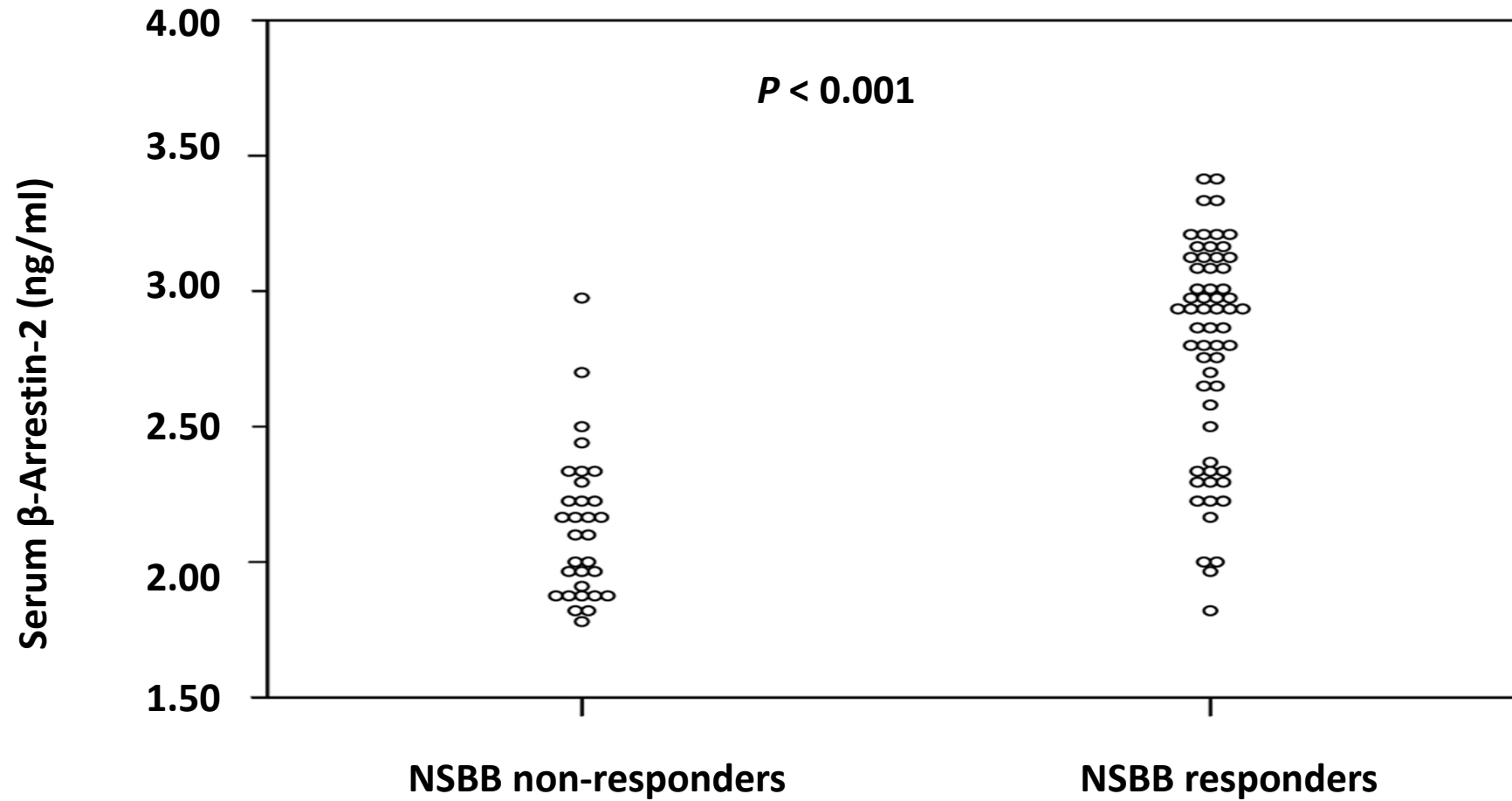
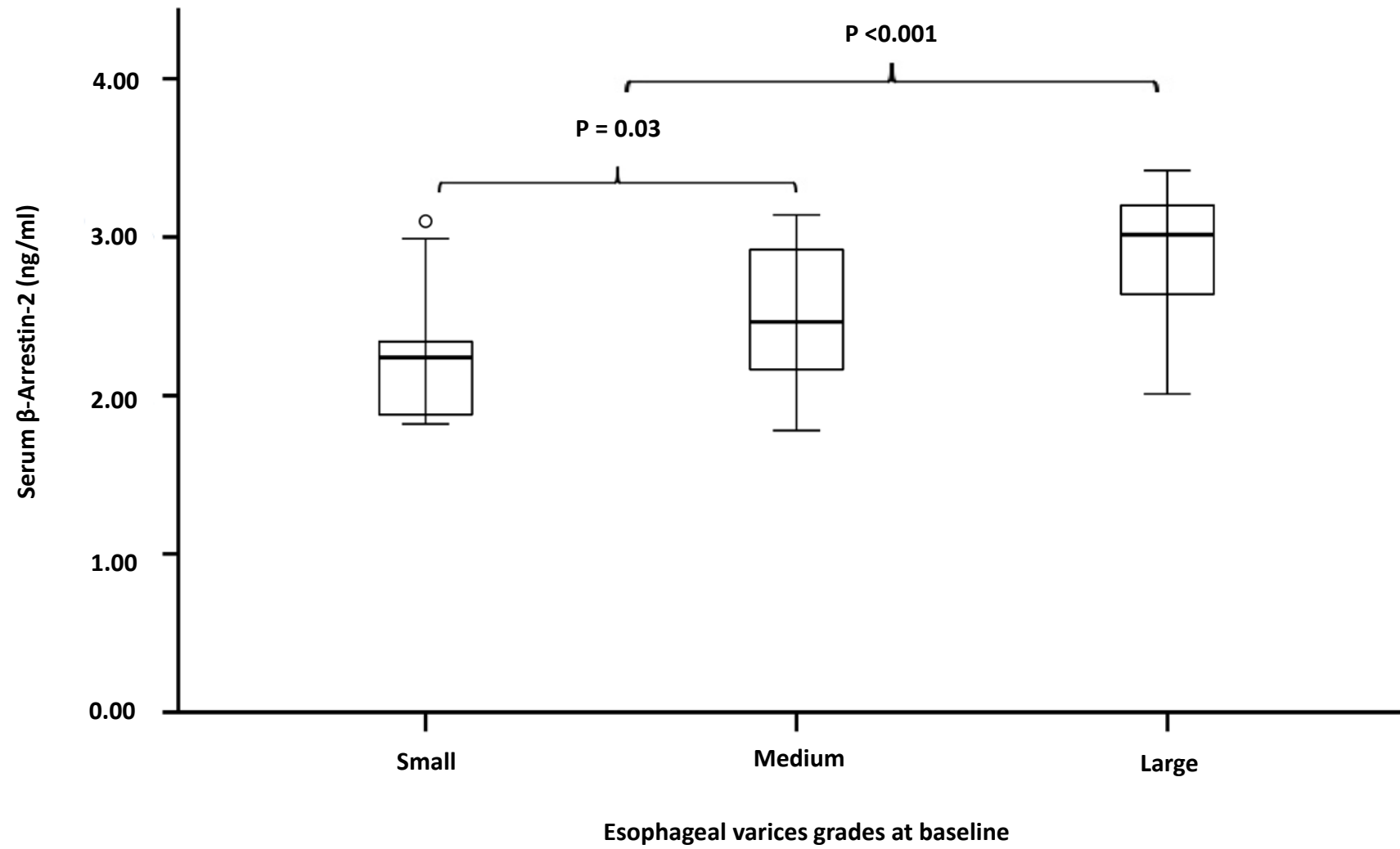


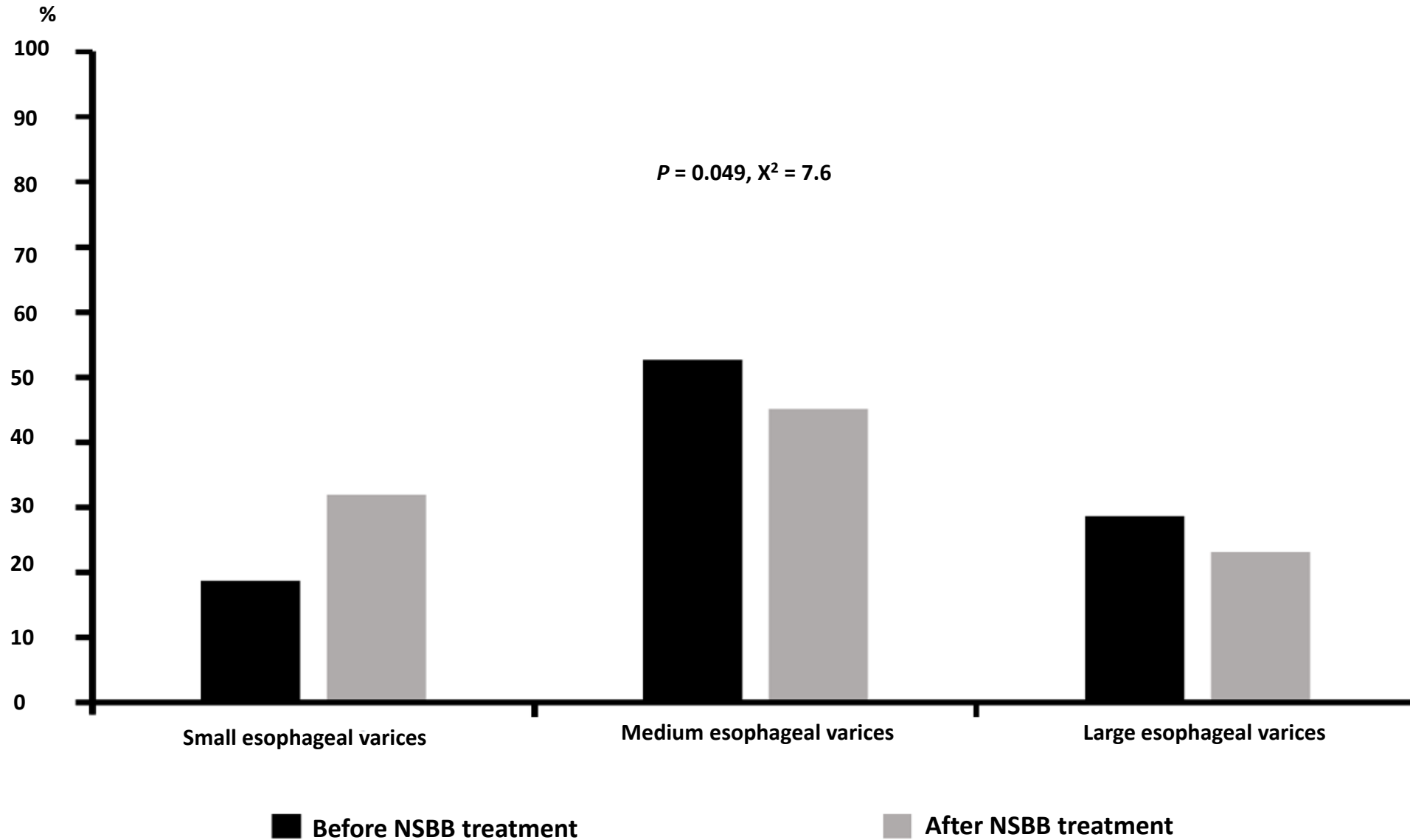
Supplementary figure 1 A comparison between nonselective β -blockers (NSBB) responders and non-responders as regards the serum β -Arrestin-2 Levels at baseline.



Supplementary figure 2 A Comparison between different grades of esophageal varices as regards the corresponding serum levels of β -Arrestin-2 Levels at baseline.



Supplementary figure 3 The frequency of small, medium, and large esophageal varices among the study population before and after nonselective β -blockers (NSBB) treatment.



Gender	Age	Hb	WBCs	Platelts	AST	ALT	Alb	Bilir
Male	55	10.3	3.89	67	49	39	2.5	2.2
Female	54	9.5	3.74	68	48	38	2.6	3.25
Female	60	11.2	4.2	72	44	33	2.85	2.4
Male	59	10.3	3.79	69	51	36	2.6	3.1
Male	51	10.8	4.1	70	41	33	2.6	3.2
Female	44	11.6	4.2	71	56	30	2.7	2.75
Male	56	11.4	6.3	69	66	48	2.89	1.35
Female	60	12.5	6.2	88	72	48	2.81	1.45
Male	49	11.8	5.22	89	64	50	3.2	1.12
Male	53	10.8	4.35	91	61	48	4	1.26
Female	53	11.9	5.3	90	77	43	3.8	1.14
Male	50	11.3	5.2	87	70	49	3.7	1.24
Female	44	10.7	4.12	92	46	42	3.75	1.55
Female	47	9.9	4.65	80	77	50	4.2	1.2
Female	60	11.8	5.1	79	70	55	4.3	1.3
Female	59	11.7	4.2	88	60	47	4.2	1.25
Male	58	12.1	5.8	89	64	52	3.77	1.34
Male	58	10.8	6.3	79	67	53	4	1.35
Male	53	11.6	5.14	85	57	41	3.8	1.17
Male	49	11.7	5.2	88	52	39	2.95	3.3
Male	55	11.3	3.8	84	50	32	3.6	1.84
Female	55	9.8	4.6	85	73	47	3.8	1.23
Male	49	9.9	4.9	91	60	44	3.89	1.13
Male	54	10.3	6.1	89	69	53	4	1.37
Male	56	9.7	5.2	88	66	59	4.2	1.23
Female	55	9.9	4.7	91	78	51	2.9	2.2
Female	55	11.4	5.2	90	69	55	2.85	2.35
Female	60	10.7	5.5	89	65	49	3.75	1.1
Male	61	11.3	5.12	98	64	48	3.69	1.4

INR	APRI	CTP	Ascites	serum B an	PVCI	DV baseline	GV	PHTG
1.74	2.089552239	C	yes	2.3	0.514	Medium	No	Severe
1.73	2.016806723	C	yes	1.79	0.396	Medium	No	Mild
1.6	1.746031746	B	yes	2.16	0.496	Large	No	Severe
1.7	2.111801242	C	yes	2.09	0.605	Medium	No	No
1.55	1.673469388	C	yes	2.16	0.581	Medium	Yes	Mild
1.7	2.253521127	C	yes	2.68	0.586	Large	No	Mild
1.4	2.732919255	B	yes	1.87	0.374	small	No	Severe
1.17	2.337662338	A	no	1.98	0.414	small	No	Mild
1.17	2.054574639	A	no	2.3	0.635	Large	No	Severe
1.25	1.91522763	A	no	3.05	0.515	Large	No	No
1.2	2.444444444	A	no	1.8	0.362	small	No	Severe
1.3	2.298850575	A	no	1.92	0.404	Medium	No	No
1.4	1.428571429	A	no	2.15	0.505	Large	No	Severe
1.2	2.75	A	no	2.2	0.435	Medium	No	Mild
1.3	2.53164557	A	no	2.25	0.417	small	No	Severe
1.12	1.948051948	A	no	2.24	0.65	Medium	No	Mild
1.35	2.054574639	A	no	2.32	0.411	Medium	No	Severe
1.03	2.423146474	A	no	2.33	0.452	small	No	No
1.08	1.915966387	A	no	2.35	0.506	small	No	No
1.65	1.688311688	B	no	2.61	0.673	Large	Yes	Mild
1.45	1.700680272	A	no	2.78	0.664	Medium	No	Severe
1.3	2.453781513	A	no	2.7	0.516	Medium	No	No
1.18	1.883830455	A	no	2.9	0.743	Large	Yes	No
1.27	2.215088283	A	no	3	0.427	small	No	No
1.16	2.142857143	A	no	2.98	0.397	Medium	No	No
1.5	2.448979592	B	yes	2.33	0.31	small	Yes	Mild
1.25	2.19047619	B	yes	2.93	0.587	Medium	No	No
1.22	2.086677368	A	no	2.1	0.693	Medium	No	Mild
1.36	1.865889213	A	no	2.5	0.541	Medium	No	Mild

3 arr antrun	B arr body	B arr duod	BB dose	SBP	Ref Asc	Bleeding	ime to ever b arr after
++	+	+	80	-	-	-	-
+	++	+	70	yes	-	-	-
+	+	++	60	-	-	-	-
++	+	+	60	-	-	-	-
++	+	+	70	-	-	-	-
+++	++	++	80	-	-	-	-
++	++	+	60	-	-	-	-
+	+	++	60	-	-	-	-
+	+	++	80	-	-	-	-
+	+	+	70	-	-	-	-
++	+++	+	100	-	-	-	-
++	++	+	60	-	-	-	-
++	+	++	80	-	-	-	-
++	+	+	70	-	-	-	-
++	++	+	60	-	-	-	-
++	+	+	60	-	-	-	-
++	+++	+++	50	-	-	-	-
++	+	++	60	-	-	-	-
++	++	+	80	-	-	-	-
++	+	+	70	-	-	-	-
++	+++	++	80	-	-	-	-
++	++	+	50	-	-	-	-
+++	++	++	100	-	-	-	-
++	+++	+	80	-	-	-	-
++	++	++	80	-	-	-	-
++	+	+	60	-	-	-	-
+	++	+	60	-	yes	-	-
+++	+	++	60	-	-	-	-
+++	+	++	100	-	-	-	-

err deministDV at 12 wDV at 24 wDV at 36 wDV at 48 wDV at 60 wDV at 72 wk

-	Large	-	-	-	-	-
-	Large	large	-	-	-	-
-	Large	-	-	-	-	-
-	Medium	-	-	-	-	-
-	Medium	-	-	-	-	-
-	Medium	-	-	-	small	-
-	small	-	-	-	-	-
-	small	-	-	-	-	Medium
-	Large	-	-	large	-	-
-	Large	-	-	-	-	-
-	-	-	-	-	-	-
-	Large	-	-	-	-	-
-	Large	-	-	Medium	-	-
-	Large	-	-	-	-	-
-	-	Medium	-	-	-	-
-	Medium	-	-	large	-	-
-	small	-	-	-	-	-
-	small	-	-	-	-	-
-	-	-	-	-	-	-
-	small	-	-	-	-	-
-	small	-	small	-	-	-
-	Medium	-	-	-	-	-
-	Large	small	-	small	-	-
-	small	-	-	-	-	-
-	-	-	-	-	-	-
-	small	-	-	large	-	-
-	Medium	-	-	-	-	-
-	Large	-	Medium	-	-	-
-	Medium	-	-	small	-	-