

Supplementary Table 1: Baseline Characteristics of healthy controls (HCs), meningioma (MEG), Glioma, brain metastasis (BM).

Characteristic	HCs (n=18)	MEG (n=18)	Glioma (n=35)	BM (n=12)	Overall <i>p</i> Value*
Demographics					
Age (years)	41.25 (9.79)	48.50 (9.34)	41.33 (18.80)	58.17 (9.3)	<0.01 δ
Female, n (%)	9 (50.00)	14 (77.78)	21 (60.00)	4 (33.33)	0.284
BMI (kg/m ²)	23.36 (2.77)	24.12 (2.44)	22.38 (2.10)	22.27 (3.30)	0.373
Smoking, n (%)	7 (38.89)	3 (16.67)	11 (31.42)	8 (66.67)	0.284
Alcoholic, n (%)	2 (11.11)	2 (11.11)	7 (20.00)	3 (25.00)	0.08
Biological data					
WBCs (10 ⁹ /L)	6.09 (1.37)	6.59 (1.98)	6.60(1.94)	6.18 (1.38)	0.703
NEUs (10 ⁹ /L)	3.65 (1.22)	4.16 (1.72)	4.17(1.63)	4.02 (1.21)	0.678
LYMs (10 ⁹ /L)	1.95 (0.52)	1.76 (0.72)	1.79 (0.48)	1.54 (0.61)	0.226
MONs (10 ⁹ /L)	0.33 (0.76)	0.48 (0.17)	0.43 (0.16)	1.54 (0.61)	<0.05 α, β, δ
EOSs (10 ⁹ /L)	0.13 (0.07)	0.15 (0.15)	0.18 (0.27)	0.48 (0.14)	0.638
BASs (10 ⁹ /L)	0.07 (0.18)	0.03 (0.14)	0.02 (0.14)	0.11 (0.07)	0.231
GLU (mmol/L)	4.80 (0.55)	4.83 (1.61)	4.76 (0.96)	5.40 (1.02)	0.351
ALT (U/L)	20.86 (12.69)	20.77 (11.41)	21.00 (13.95)	43.89 (69.75)	0.095
AST (U/L)	20.32 (6.67)	19.57 (5.34)	20.29 (8.56)	35.63 (47.11)	0.082
TP (g/L)	72.87 (10.21)	71.11 (5.77)	70.04 (4.54)	68.81 (5.65)	0.341
GLO (g/L)	32.18 (6.51)	28.58 (4.28)	28.66 (4.74)	28.58 (6.64)	0.113
TBIL (umol/L)	17.55 (7.18)	13.82 (4.43)	11.82 (4.98)	10.02 (4.36)	<0.05 α, β, δ
DBIL (umol/L)	6.24 (2.36)	4.78 (1.60)	4.23 (1.69)	3.64 (2.12)	<0.05 α, β, δ
IBIL (umol/L)	11.31 (5.01)	9.03 (3.06)	8.03 (3.23)	6.38 (2.30)	<0.01 β, δ
TBA (umol/L)	2.11 (0.95)	3.82 (2.86)	4.81 (4.25)	10.94 (13.33)	<0.05 β, δ
GGT (U/L)	29.23 (35.42)	34.93 (36.16)	30.62 (36.05)	38.74 (43.47)	0.885
ALP (U/L)	69.82 (22.07)	77.13 (36.47)	65.72 (23.81)	86.03 (46.47)	0.349
HDL-C (mmol/L)	1.43 (0.36)	1.34 (0.31)	1.21 (0.29)	1.25 (0.32)	<0.05 α
LDL-C (mmol/L)	2.72 (0.68)	2.91 (1.36)	2.71(0.81)	3.03 (0.92)	0.709
TC (mmol/L)	4.51 (0.59)	4.66 (1.42)	4.29 (0.83)	4.74 (1.07)	0.443
TG (mmol/L)	1.47 (1.10)	1.38 (0.67)	1.36 (0.69)	1.83 (1.03)	0.396

Note: Data are given as median (P25, P75). Abbreviations: HCs, healthy controls; MEG, mengingioma; BM, brain metastasis; Md: median.