

SUPPLEMENTAL MATERIAL

Supplemental Table. Predictors of a TH1(+) response to each antigen at 90 days after stroke. Laboratory data represent the most extreme value for the first 72 hours after stroke onset. Results are expressed as the odds ratio (OR) and 95% confidence interval (CI).

antigen:	TT		PLP		MBP		NSE		GFAP		S100	
	OR	P	OR	P	OR	P	OR	P	OR	P	OR	P
baseline demographics												
age (per year)	1.008 (0.972-1.046)	NS	1.006 (0.965-1.049)	NS	1.022 (0.983-1.062)	NS	1.002 (0.964-1.043)	NS	1.017 (0.977-1.059)	NS	1.012 (0.974-1.051)	NS
gender (female)	0.526 (0.181-1.527)	NS	0.223 (0.047-1.065)	0.060	0.605 (0.206-1.773)	NS	0.649 (0.206-2.043)	NS	0.483 (0.142-1.643)	NS	1.059 (0.387-2.897)	NS
NIHSS score	1.056 (1.003-1.112)	0.039	1.070 (1.008-1.136)	0.025	1.099 (1.038-1.164)	0.001	1.023 (0.968-1.080)	NS	1.069 (1.011-1.131)	0.020	1.052 (0.998-1.109)	0.059
stroke etiology												
cardioembolic	1.286 (0.460-3.594)	NS	0.789 (0.226-2.762)	NS	1.148 (0.398-3.310)	NS	0.945 (0.295-3.027)	NS	1.354 (0.437-4.195)	NS	1.425 (0.510-3.987)	NS
lacunar	0.347 (0.040-3.048)	NS	0.644 (0.072-5.769)	NS	1.010 (0.182-5.615)	NS	2.719 (0.551-13.412)	NS	1.271 (0.226-7.153)	NS	0.917 (0.156-5.375)	NS
atherosclerosis	1.136 (0.260-4.961)	NS	1.163 (0.218-6.221)	NS	3.750 (0.907-15.497)	0.068	0.924 (0.175-4.876)	NS	0.354 (0.041-3.032)	NS	0.583 (0.109-3.121)	NS
other known cause	0.667 (0.227-1.955)	NS	1.533 (0.486-4.840)	NS	0.570 (0.184-1.769)	NS	0.750 (0.237-2.372)	NS	1.051 (0.345-3.205)	NS	0.600 (0.201-1.788)	NS
unknown	1.591 (0.533-4.751)	NS	0.824 (0.206-3.303)	NS	0.662 (0.193-2.274)	NS	0.914 (0.261-3.202)	NS	0.944 (0.267-3.337)	NS	1.596 (0.516-4.941)	NS
stroke characteristics and treatment												
infarct volume (per 10 cc)	1.038 (0.998-1.080)	0.066	1.037 (0.994-1.081)	0.089	1.038 (0.998-1.080)	0.063	1.000 (0.957-1.046)	NS	1.034 (0.993-1.077)	0.101	1.029 (0.990-1.071)	0.150
IV tPA	2.062 (0.732-5.815)	0.171	1.364 (0.411-4.523)	NS	0.729 (0.232-2.294)	NS	0.706 (0.205-2.430)	NS	0.960 (0.297-3.097)	NS	2.787 (0.981-7.918)	0.054
hemispherectomy	4.417 (0.965-20.213)	0.056	2.723 (0.577-12.858)	NS	1.590 (0.347-7.277)	NS	1.098 (0.203-5.950)	NS	3.667 (0.819-16.415)	0.089	2.000 (0.456-8.763)	NS
inflammatory cytokine concentrations (highest by 72 hours)												
IL-6 (per pg/mL)	1.010 (0.993-1.028)	NS	1.003 (0.985-1.021)	NS	1.002 (0.986-1.019)	NS	1.000 (0.982-1.019)	NS	1.017 (0.996-1.039)	0.109	0.997 (0.979-1.015)	NS
hsCRP (per 10 mg/L)	1.070 (0.975-1.016)	0.153	1.064 (0.963-1.177)	NS	1.097 (0.998-1.207)	0.056	0.973 (0.872-1.085)	NS	1.063 (0.965-1.170)	NS	1.026 (0.990-1.132)	NS
TNF- α (per pg/mL)	1.226 (0.970-1.549)	0.089	1.042 (0.791-1.374)	NS	1.100 (0.870-1.392)	NS	1.010 (0.773-1.319)	NS	1.066 (0.835-1.362)	NS	1.063 (0.810-1.395)	NS
IL-2 (per pg/mL)	3.396 (0.895-12.884)	0.072	1.235 (0.706-2.158)	NS	1.090 (0.627-1.893)	NS	0.914 (0.436-1.914)	NS	1.335 (0.741-2.403)	NS	2.245 (0.670-7.421)	0.185
laboratory values (highest by 72 hours)												
blood glucose (per 10 mg/dL)	0.957 (0.870-1.051)	NS	1.014 (0.923-1.114)	NS	1.045 (0.962-1.134)	NS	1.014 (0.928-1.109)	NS	1.040 (0.954-1.133)	NS	0.958 (0.871-1.053)	NS
WBCs (per thou/mL)	1.014 (0.906-1.135)	NS	0.981 (0.856-1.124)	NS	1.070 (0.955-1.198)	NS	0.975 (0.860-1.106)	NS	1.018 (0.900-1.152)	NS	0.975 (0.869-1.094)	NS
PMNs (per thou/mL)	1.088 (0.925-1.279)	NS	1.098 (0.913-1.322)	NS	1.157 (0.979-1.368)	0.087	0.963 (0.805-1.152)	NS	1.164 (0.969-1.399)	0.105	0.996 (0.845-1.174)	NS
lymphs* (per thou/mL)	0.566 (0.215-1.489)	NS	0.188 (0.043-0.813)	0.025	0.729 (0.286-1.859)	NS	0.933 (0.367-2.375)	NS	0.220 (0.059-0.825)	0.025	0.726 (0.295-1.789)	NS
complications												
highest temp in 1 st 72 hrs (per °C)	2.394 (1.111-5.158)	0.026	3.124 (1.306-7.469)	0.010	1.678 (0.798-3.527)	0.172	1.068 (0.529-2.154)	NS	3.263 (1.390-7.661)	0.007	1.294 (0.633-2.645)	NS
highest temp in 1 st week (per °C)	1.347 (0.787-2.307)	NS	1.481 (0.798-2.749)	NS	1.534 (0.881-2.670)	0.130	1.334 (0.729-2.44)	NS	1.823 (0.986-3.371)	0.056	0.952 (0.567-1.598)	NS
infection by day 15	3.214 (1.149-8.992)	0.026	1.800 (0.565-5.739)	NS	2.225 (0.786-6.297)	0.132	0.873 (0.274-2.782)	NS	2.338 (0.786-6.956)	0.127	1.197 (0.419-3.413)	NS
PNA by day 15	2.550 (0.666-9.769)	0.172	3.222 (0.787-13.193)	0.104	4.765 (1.202-18.893)	0.026	2.095 (0.541-8.120)	NS	3.857 (0.978-15.208)	0.054	0.913 (0.209-3.996)	NS
gram positive infection	5.056 (1.323-19.313)	0.018	2.714 (0.685-10.759)	0.155	3.741 (1.013-13.817)	0.048	2.095 (0.541-8.120)	NS	4.985 (1.315-18.891)	0.018	2.048 (0.534-7.859)	NS
gram negative infection	1.895 (0.580-6.193)	NS	0.619 (0.124-3.094)	NS	1.011 (0.282-3.618)	NS	0.443 (0.091-2.169)	NS	1.307 (0.358-4.774)	NS	0.691 (0.193-2.467)	NS

TT=tetanus toxoid, PLP=proteolipid protein, MBP=myelin basic protein, NSE=neuron specific enolase, GFAP=glial fibrillary acidic protein, NIHSS=NIH stroke scale, IV tPA=intravenous tissue plasminogen activator, IL=interleukin, TNF=tumor necrosis factor, WBCs=white blood cells, PMNs=polymorphonuclear cells, lymphs=lymphocytes, temp=temperature, PNA=pneumonia. *denotes lowest value by 72 hours. NS signifies $P \geq 0.020$.