**APPENDIX 3**

**COMPARISON OF CHARACTERISTIC CURVES OF TESTS FOR ABS**

**Fig. 1.** Comparison of the characteristic curves of single tests
Notes: AUCICA = 0.950, AUCGADA = 0.817 and AUCIA-2A = 0.814. AUCICA significantly exceeds AUCGADA (P < 0.0001) and AUCIA-2A (P < 0.0001). AUCGADA and AUCIA-2A do not differ significantly (P = 0.8295).

**Fig. 2.** Comparison of characteristic curves of combinations of two tests (for cases when both results are positive)
Notes: AUCICA, GADA+ = 0.837, AUCICA, IA-2A+ = 0.820 and AUCGADA, IA-2A+ = 0.763. AUC of all tests differ significantly (in all cases with P < 0.02).

**Fig. 3.** Comparison of characteristic curves for different results of combinations of three tests
Notes: AUCICA, GADA+, IA-2A− = 0.550, AUCICA, GADA+, IA-2A+ = 0.562, AUCICA, GADA−, IA-2A− = 0.577 and AUCICA, GADA−, IA-2A+ = 0.757. AUCICA, GADA−, IA-2A+ significantly exceeds the AUC of all other results (in all cases with P < 0.0001). AUCICA, GADA+, IA-2A− and AUCICA, GADA+, IA-2A+ do not differ significantly (P = 0.0556), but they significantly exceed AUCICA, GADA−, IA-2A− (P = 0.0449 and 0.0022, respectively).

**Fig. 4.** Comparison of the characteristic curves of combinations ICA and GADA and ICA and IA-2A as well as the combination of three tests (for cases in which all results are positive)
Notes: AUCICA, GADA+ = 0.837, AUCICA, IA-2A+ = 0.820 and AUCICA, GADA+, IA-2A+ = 0.757. AUCICA, GADA+, IA-2A+ is significantly less than the AUC of combinations of two tests (in both cases with P < 0.0001).