

APPENDIX 3

COMPARISON OF CHARACTERISTIC CURVES OF TESTS FOR ABS

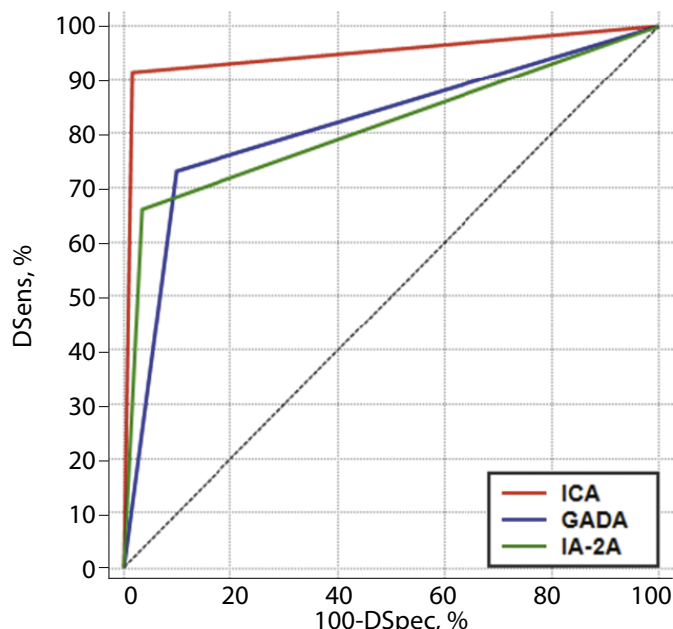


Fig. 1. Comparison of the characteristic curves of single tests
Notes: $AUC_{ICA} = 0.950$, $AUC_{GADA} = 0.817$ and $AUC_{IA-2A} = 0.814$. AUC_{ICA} significantly exceeds AUC_{GADA} ($P < 0.0001$) and AUC_{IA-2A} ($P < 0.0001$). AUC_{GADA} and AUC_{IA-2A} do not differ significantly ($P = 0.8295$).

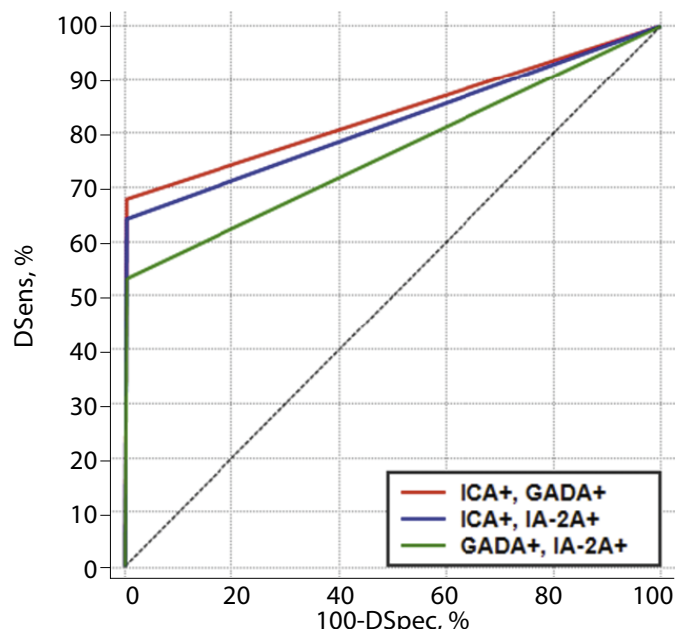


Fig. 2. Comparison of characteristic curves of combinations of two tests (for cases when both results are positive)
Notes: $AUC_{(ICA+, GADA+)} = 0.837$, $AUC_{(ICA+, IA-2A+)} = 0.820$ and $AUC_{(GADA+, IA-2A+)} = 0.763$. AUC_s of all tests differ significantly (in all cases with $P < 0.02$).

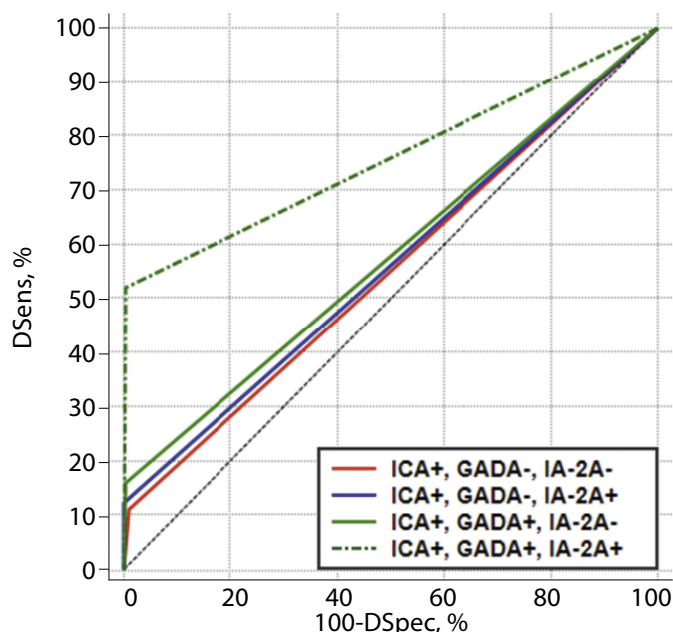


Fig. 3. Comparison of characteristic curves for different results of combinations of three tests
Notes: $AUC_{(ICA+, GADA-, IA-2A-)} = 0.550$, $AUC_{(ICA+, GADA-, IA-2A+)} = 0.562$, $AUC_{(ICA+, GADA+, IA-2A-)} = 0.577$ and $AUC_{(ICA+, GADA+, IA-2A+)} = 0.757$. $AUC_{(ICA+, GADA+, IA-2A+)}$ significantly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

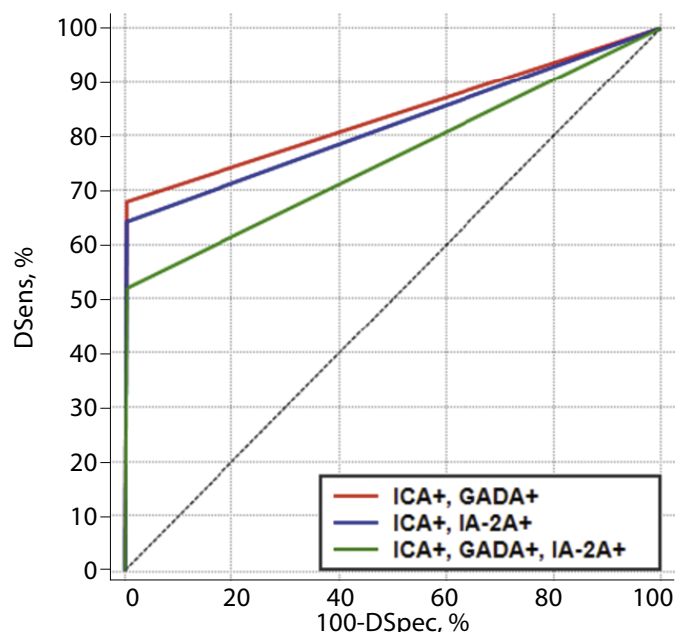


Fig. 4. Comparison of the characteristic curves of combinations ICA and GADA and ICA and IA-2A as well as the combination of three tests (for cases in which all results are positive)
Notes: $AUC_{(ICA+, GADA+)} = 0.837$, $AUC_{(ICA+, IA-2A+)} = 0.820$ and $AUC_{(ICA+, GADA+, IA-2A+)} = 0.757$. $AUC_{(ICA+,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