APPENDIX 1.

rpart.control parameters used during tree construction. In a first round of tree growth, all variables listed in Table 2 were included as predictors with the control parameters shown below. Only those variables that appeared in these first trees were included as potential predictors in a second round of tree growth using the second round control parameters also shown below.

**minsplits.** Round 1 = 10, round 2 = 20.

**minbucket.** Round 1 = 5, round 2 = 5.

**cp.** Round 1 = 0.001, round 2 = 0.005.

**maxcompete.** Round 1 = 5, round 2 = 3.

**maxsurrogate.** Round 1 = 5, round 2 = 3.

**usesurrogate.** Round 1 = 2, round 2 = 2 (usesurrogate option 2; if data for all surrogate variables are missing, then send the case in the majority direction).

**surrogatetstyle.** Round 1 = 0, round 2 = 0 (surrogatetstyle option 0; the program uses the total number of correct classifications for a potential surrogate variable).

**maxdepth.** Round 1 = 20, round 2 = 5.

**xval.** Round 1 = 10, round 2 = 10.