

Supplemental Table 3. Parameters for Classifier Development Per Model Type

model type	parameter
LOGREG	glm, family = binomial(), direction = "backward"
SVM	kernel = "linear", degree = 3, shrinking = TRUE, cross = 0, probability = true, fitted = TRUE
NN	importance=TRUE, ntree = 20
RF	hidden = 1, threshold = 0.01, stepmax = 1e+05, linear.output = TRUE, likelihood = FALSE

LOGREG = logistic regression, NN = neural network, RF = random forest, SVM = support vector machine.

Discriminating between p16-negative oropharyngeal and non-oropharyngeal origins by their metastatic lymph nodes using machine learning approach based on MRI radiomics. Discover Oncology. Dan Bao; Yanfeng Zhao; Lin Li; Meng Lin; Wenli Wu; Ya Zhang; Haijun Xu; Zheng Zhu; Xinming Zhao; Dehong Luo. Corresponding Author Info: Dehong Luo, e-mail: pumccancer@163.com; 1. National Cancer Center/National Clinical Research Center for Cancer/Cancer Hospital, Chinese Academy of Medical Sciences and Peking Union Medical College, 17 Panjiayuan Nanli, Chaoyang District, Beijing 100021, China. 2. National Cancer Center/National Clinical Research Center for Cancer/Cancer Hospital & Shenzhen Hospital, Chinese Academy of Medical Sciences and Peking Union Medical College, Shenzhen, 518116, China.