/\*\* STUDY: Lymphatic Case-control

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Final Code: 06/26/2022

THIS PROGRAM IS FOR: Analysis of Matched case-control data- cleaned up for sharing \*/

libname lymph "\\ressmb01.research.chop.edu\LymphaticReview\Data" ;

**data** lymph ;

set lymph.final\_analytic ;

**run** ;

**proc** **freq** data=lymph;

tables lymphatic\_ind Chylothorax\_RL ;

**run** ;

**proc** **freq** data=lymph ;

tables age\_admit\_c\*lymphatic\_ind / chisq ;

tables birth\_type\*lymphatic\_ind / chisq ;

tables race\_eth\*lymphatic\_ind / chisq ;

tables infant\_male\*lymphatic\_ind / chisq ;

tables pressor\_ind\*lymphatic\_ind / chisq ;

tables mechanical\_ventilation\_ind\*lymphatic\_ind / chisq ;

tables payor\_group\*lymphatic\_ind / chisq ;

**run**;

/\*Table\*/

**proc** **means** p25 p50 p75 qrange data=lymph ;

var wbc min\_eos\_count max\_eos\_count eosinophil\_percent ;

**run** ;

**proc** **means** p25 p50 p75 qrange data=lymph ;

where lymphatic\_ind = **1** ;

var wbc min\_eos\_count max\_eos\_count eosinophil\_percent ;

**run** ;

**proc** **means** p25 p50 p75 qrange data=lymph ;

where lymphatic\_ind = **0** ;

var wbc min\_eos\_count max\_eos\_count eosinophil\_percent ;

**run** ;

**proc** **npar1way** data = lymph wilcoxon;

class lymphatic\_ind;

var wbc min\_eos\_count max\_eos\_count eosinophil\_percent;

**run**;

**proc** **freq** data=lymph ;

tables pda\_ind\*lymphatic\_ind / chisq ;

tables ivh\_ind\*lymphatic\_ind / chisq ;

tables nec\_ind\*lymphatic\_ind / chisq ;

tables rop\_ind\*lymphatic\_ind / chisq ;

tables eos\_ind\*lymphatic\_ind / chisq ;

tables hyper\_eos\_ind\*lymphatic\_ind / chisq ;

**run**;

/\*modeling\*/

\*hypereosinophilia;

**proc** **LOGISTIC** data =lymph ;

class lymphatic\_ind (ref="0");

model hyper\_eos\_ind (ref="0") = lymphatic\_ind ;

**run** ;

/\*NLFD types\*/

**proc** **freq** data=lymph;

where lymphatic\_ind = **1** ;

tables Chylothorax\_RL ;

**run** ;

**proc** **freq** data=lymph ;

where lymphatic\_ind = **1** ;

tables Chylothorax\_RL\*eos\_ind / chisq ;

tables Chylothorax\_RL\*hyper\_eos\_ind / chisq ;

**run** ;

\*NLFD types modeling;

/\*types of NLFD and odds of hyperEOS\*/

\*hypereosinophilia;

**proc** **LOGISTIC** data =lymph ;

where Chylothorax\_RL in (**0**, **.**) ;

class lymphatic\_ind (ref="0");

model hyper\_eos\_ind (ref="0") = lymphatic\_ind ;

**run** ;

**proc** **LOGISTIC** data =lymph ;

where Chylothorax\_RL in (**1**, **.**) ;

class lymphatic\_ind (ref="0");

model hyper\_eos\_ind (ref="0") = lymphatic\_ind ;

**run** ;