UNC HEALTH CARE

MEMORANDUM #18

TO: UNC Hospitals Attending Physicians, Housestaff, Clinical Nurse Coordinators, Department Heads and Supervisors

FROM: Jessica K. Booker, PhD, Scientific Director, Molecular Genetics Laboratory

Karen E. Weck, MD, Director, Molecular Genetics Laboratory

Herbert C. Whinna, MD, PhD Director, McLendon Clinical Laboratories

SUBJECT: New Cystic Fibrosis Mutation Panel

DATE: May 4, 2016

Effective May 3, 2016, the UNC Hospital Clinical Molecular Genetics Laboratory will introduce a new methodology for cystic fibrosis diagnostic and carrier testing. The Luminex xTAG® Cystic Fibrosis (CFTR) 60 assay utilizes polymerase chain reaction followed by allele specific primer extension and bead hybridization to target 60 mutations in the *CFTR* gene. This new methodology replaces the previous method which targeted 32 mutations, providing increased detection rates in African American, Hispanic and Asian populations. There are no changes to ordering, sample requirements or turn-around-time.

For further information, please contact the Clinical Molecular Genetics Laboratory at 984-974-1825.