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| **Genetic Services at****ETSU Medical Genetics****(Partial List)**• Genetic evaluation/consultation by a• board-certified clinical geneticist• (pediatrics and adults)• Diagnostic Genetic testing including• Chromosome Microarray analysis and• molecular studies• Genetic counseling/recommendations• for management, and regular follow-up• of patients with genetic conditionsPEDIATRICS• Multiple Congenital Anomalies• Dysmorphic Features• Intellectual Disability• Behavioral Disorders/ADHD• Autism Spectrum Disorder• Abnormal Growth & DevelopmentADULTS• Intellectual Disability• Behavioral Disorders• Family History of Inherited Disorders• Short/Tall StatureCANCER GENETICS• Personal and/or Family History of Cancer:• Breast, Ovarian, Colon Cancers, etc.• Syndromic Cancers: Multiple Endocrine• Neoplasia, Macrocephaly-Overgrowth• Syndromes, etc.PRENATAL GENETICS• Pre-test and post-test counseling for:• • Maternal serum screening• • (AFP/Quad test)• • Noninvasive Prenatal• • Testing/Screening (NIPT/NIPS)• • Invasive Prenatal Diagnosis• • (Amniocentesis, CVS)• Multiple Miscarriages/Infertility• Personal and/or Family History of• Inherited/Genetic Conditions |

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| **Our Team****MJ Hajianpour, MD, PhD, FACMGG****Stefanie Yoon, FNP-C**423-433-6848**Jennifer Carver, FNP-C**423-433-6848**Heather Marshall, LPN**423-433-6801**Amber Hall, LPN**423-433-6810 |
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|  | ETSU Medical genetics325 N. State of Franklin Rd.Johnson City, TN 37604 |

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| ETSU Medical genetics |
| **Clinical Genetics****Pediatrics & Adults** |

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| **What is Clinical Genetic?*** Evaluation of babies/ infants/ Children and adults with birth defects/ multiple congenital anomalies, developmental delay, speech and language deficit, intellectual disability, and behavioral disorders (ADHD, Autism, etc.).
* Diagnosis of genetic disorders verified with genetic studies (if available).
* Identify at-risk relative for the known genetic condition in the family by analysis of family history/ Pedigree
* Provide genetic counseling including description of identified genetic disorder, mode of inheritance, and recurrence risk
 | **Clinical Genetics Services*** **Abnormal Newborn Screening (NBS):** The ETSU Medical Genetics is a follow-up center for abnormal newborn screening tests which is a State program for diagnosis of certain genetic disorders/ inborn errors of metabolism in newborns.
* Clinical diagnosis of inherited disorders/ genetic disorders verified by specialized genetic testing including Chromosome Microarray (CMA), Gene Sequencing with deletion/ duplication analysis, Next Generation Sequencing (NGS), Whole Exome Sequencing (WES) and Whole Genome Sequencing (WGS).
* **Carrier and pre-symptomatic testing:** these tests are used to identify genetic changes when disorders are suspected after birth, or sometimes much later in life. Tests are useful to identify at-risk family members or asymptomatic carriers of the known gene alteration (mutation) in the family.
 | **Our Process Involves:*** Review reason for the referral for genetic consultation.
* Mailing a package to the patient/ guardian to collect the medical and family history
* Pre-clinic review of the gestational history, present illness and past medical history
* Prepare and analyze a three-generation pedigree (family history)
* Schedule the patient for genetic evaluation and genetic testing
* Provide pre-test and post-test counseling
* Referring and coordinating patient care based on identified genetic condition including physical/ occupational/ speech therapies.
* Providing emotional support and connection to support groups
* Continued follow-up as needed throughout the lifespan
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