@TD@

Dear Claims Specialist and/or Medical Director,

I am writing this letter on behalf of my patient, @NAME@ (DOB @DOB@), to request coverage for genetic testing for Whole Exome Sequencing (WES).

**Test Name:** Whole Exome Sequencing

**CPT**: 81415x1, 81416x2

**ICD10 codes**: \*\*\*

@FNAME@ was recently seen and evaluated at Sanford's Pediatric Genetic Clinic due to @HIS@ symptoms including \*\*\*. Upon our evaluation we strongly believe that @FNAME@ may have an underlying genetic condition. @FNAME@ has had previous genetic testing including \*\*\*, which was/were\*\*\* normal. Identification of an exact underlying genetic condition can further assist in providing @FNAME@ and @HIS@ family members with better medical management guidelines, recommendations, and possible preventative screening.

**Information on Patient’s Condition:**

@FNAME@ is a @AGE@@SEX@ who has an extensive history of \*\*\*. @HIS@ family history is not\*\*\* notable for having other individuals similarly affected, therefore strongly suggesting either an autosomal recessive, X-linked recessive, or *de novo* mutation as the basis for the condition. However, at the present time we cannot recognize a specific clinical diagnosis. Due to the heterogeneous nature of rare genetic diseases, the most efficient and cost effective way to confirm a genetic diagnosis in this patient is to perform whole exome sequencing genetic testing.

**Information on WES:**

Results from this genetic test will have a direct impact on this patient’s treatment and management and will provide prognostic information that will assist in clinical management. **For example, \*\*\*[list an example of a specific condition and EXACTLY how you would change management]\*\*\***

At this time, we believe that WES is the most economical approach for @FNAME@'s diagnostic odyssey.  Rather than sequencing the many potential individual genes (with panel testing), WES is the fastest and most cost effective way to look for a mutation amongst the large number of potential genes that could be causing this condition.

The American College of Medical Genetics (ACMG) states, WES should be considered in the clinical diagnostic assessment of an affected individual when:

1. The individual's phenotype strongly implicates a genetic etiology, but the phenotype does not correspond with a specific disorder for which targeted genetic testing is available.
2. A patient presents with a defined genetic disorder that demonstrates a high degree of genetic heterogeneity, making WES analysis of multiple genes simultaneously a more practical approach.
3. A patient presents with a likely genetic disorder but specific genetic tests available for the phenotype have failed to arrive at a diagnosis.

Thank you for your review and consideration. I hope you will support this request for genetic testing coverage for @NAME@. If you have questions, or if I can be of further assistance, please do not hesitate to call me at [phone #]

Sincerely,

@SIG@

\*\*\*

[Clinic address]