**Establishing medical necessity for genome testing – sample template**

When personalizing this template, replace the text in blue with the information applicable to your patient, and delete the information that doesn’t apply.

Based on my professional experience, genome is the most appropriate test for my patient based on their personal history of (list **ALL** relevant clinical features that support genome testing) and family history of (list any relevant family history). Due to this history, the differential diagnosis includes (list at least 3 conditions you are considering for this patient). Genome testing is more efficient, cost-effective, and has a higher diagnostic yield than separate single gene or panel testing that would be recommended based on the differential diagnosis. Genome testing can lead to the development of a more precise care plan and can reduce healthcare waste, including performing unnecessary or uninformative testing.

Results of genome testing for my patient will guide prognosis and improve clinical decision-making, which may improve clinical outcomes, by leading to the following recommendations by: (keep all bullets you think are relevant and provide examples/details for each)

* change in medication: (provide examples of potential new treatments or halting of existing ones that may be recommended based on results)
* alteration to diet: (provide examples of potential alteration to their diet that may be recommended based on results)
* change in planned procedures or surveillance: (provide examples of potential alteration surgery, imaging, and/or diagnostic studies that may be recommended based on results especially state if includes discontinuation of unnecessary procedures)
* Impact on future reproductive planning by informing genetic counseling related to recurrence risk and prenatal diagnosis options: (include and provide additional details if patient’s first-degree relative is pregnant or considering pregnancy)

(If applicable)

I performed counseling of this patient and their family which included:

* Interpretation of family and medical histories to assess the probability of disease occurrence/recurrence.
* Counseling to promote informed choices and adaptation to the risk or presence of a genetic condition
* Education about inheritance, genetic testing, disease management, prevention, and resources.
* Understanding the risks, benefits, limitations, and ethical/legal/psychological aspects of genetic testing which includes
  + Possibility of a secondary finding
  + Possibility of variant of uncertain significance
  + Possibility of an incidental finding (e.g. misattributed paternity, consanguinity)
  + Negative result does not eliminate heritable risk or condition
  + Possibility of patient recontact due to reclassification of variant(s)
  + Potential impact on family members

Additionally, I intend to engage in post-test follow-up counseling which will include review of test results and, as applicable, impact on medical management and treatment plans.