

Review of: "[Perspective] Is There Any Reason to Stay in Human Genetic Societies as Cytogeneticists?"

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While reading Liehr's letter, as a cytogeneticist who has been hearing the same concerns for years, I felt sad that the whole world was moving in the same direction. Unfortunately, the concerns expressed in this article also apply to Turkey. No scientist can be closed to new developments and technological breakthroughs that may benefit patients and science. Still, when following new technology, it should be taken seriously in terms of the general tendency to solve all problems in both diagnosis and research by sequencing in terms of approach to the patient. Although the use of new generation sequencing technologies provides a lot of genetic data, it is also a fact that it leads to extra studies being carried out, which also increases patient concerns, as it produces information that does not direct the diagnosis and treatment of the patient. To date, many genetic diseases have been solved by chromosome analyzes using molecular cytogenetic techniques. Moreover, we encounter many cases where this step is skipped and new generation sequencing techniques are applied directly, but the diagnosis cannot be made and are later identified with a simple chromosome analysis. It is possible to see this situation not only in diagnosis, but also in scientific articles and applied training programs of universities.

I believe this article and the accompanying letter point to a very important issue. I think all genetic experts should review this issue once again.