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Up to Date Investigation Methods in Hereditary Cases

Györgyi Bujdosó and Péter Sótonyi

*Institute of Forensic Medicine of Semmelweis University Budapest and Research
Unit Sponsored by the Hungarian Academy of Science, 1091 Budapest, Hungary*

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ABSTRACT The authors about 30 years ago in the Institute of Forensic Medicine of Semmelweis University were given the task of assisting the Court to clear up the natural child's legal status with evidences based on natural science. In the present paper, a few special cases are demonstrated with a decisive chromosome or DNA test result. The chromosomes are obtained from the blood following a 72-hour culture. The used method were: G-, and C banding. The uses of DNA polymorphism were the following: HUMTH01, HUMvWF, S33, D21S11, D18S51, FGA, D20S85, D3S1359, D5S2360, AMG. It is a good thing that there is an increasing number of males, who would like to know out of court, whether the children born are their descendants or not. But in their practice it occurred on request by the police, that the mother's identity was questionable due to the possibility of exchange of babies in hospitals. Due to the results of chromosome tests in some cases gave support to genetic counsel as well as in pre-natal diagnoses too.

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