CASE REPORT

Abstract: The completely reduced skeleton was found in a mountain stream. We presumed that the skeleton was a woman from a morphology feature of the skull and the pelvis bone. The level of the suture of the skull indicated that the age was the first half of the 70-years old from the 60-years old. As a result of the police investigation, the possibility of 66 years old woman who was missing for about six months was suspected. To inquire into her identification, a skull and left thighbone were cut off, and blood was collected from the suspect's daughters. We examined blood (ABO) and DNA types (D1S80, HLA DQA1, TH01 and polymarker system) for the skeleton and the suspect's families. Blood and DNA types analysis of two daughters revealed that their patients have 19 alleles in 9 blood and DNA types. Twelve alleles were admitted in the skeletal remain among presumed 19 alleles. There was no blood and DNA type to deny the mother and daughter relation all of nine types. The skeletal remain was not contradicted from the above-mentioned result though thought daughters' mother. J. Med. Invest. 49: 83-86, 2002

Keywords: forensic casework, personal identification, skeletal, DNA analysis
Blood type examination

DNA type examination

S. Kubo et al.  Personal identification from skeletal remain by D1S80, HLA DQA1, TH01 and polymarker analysis