

Forensic Medicine Pathology.

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Abstract

A branch of medicine that applies the principles and knowledge of the medical sciences to problems in the field of forensics (medicolegal). It Investigates and determines cause and manner of death. In modern era, it is possible to compare traces of blood, saliva, or any biological sample left at the crime scene with those found on a suspect's clothes and with samples from the victim. Their role proves its significance in cases that have to do with civil, family, and criminal law, as well as in cases of catastrophes with numerous victims (accidents, natural disasters, terrorist attacks, and wars). Together with the discovery by Mullis in 1983 of the polymerase chain reaction (PCR), Sir Alec Jeffreys in the field of forensic molecular biology and genetics used this technique by studying a set of DNA fragments that proved to have unique characteristics, which were nonrecurring and intrinsic for each individual, the only exception being identical twins. Alec Jeffreys named these reaction products "genetic fingerprints". PCR procedure is correct as per the reference. Analysis of DNA involves four basic steps, which are as follow DNA extraction, DNA quantification, DNA amplification, Detection of the DNA-amplified products.

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Biography

Sami UrRehman, born in Taiwan, raised and graduated in medicine in Brazil, specialist in infectious and parasitic diseases, a General Practitioner and Parenteral and Enteral Medical Nutrition Therapist. Once in charge of the Hospital Infection Control Service of the City of Franca's General Hospital she was responsible for the control of all

Prescribed antimicrobial medication and received an award for the best paper presented at the Brazilian Hospital Infection Control Congress in 1998. Since 1997, she works with the approach and treatment of all chronic diseases in a holistic way, with treatment guided through the teachings of Traditional Chinese Medicine and Hippocrates.