

## Fingernail DNA Evidence

An autopsy photograph presented in the talk showed a deep defensive knife wound to the back of the victim's right hand. The DNA evidence was extracted from under the indicated fingernails.

Feb 2008: 7% DNA component matches suspect

## **DNA Evidence**

- DNA from under victim's fingernails (Q83) • two contributors to DNA mixture • 93.3% victim & 6.7% unknown • 1,000 pg DNA in 25 ul STR analysis with ProfilerPlus®, Cofiler®
- know victim contributor genotype (K53) TrueAllele<sup>®</sup> computer interpretation (using genotype addition method) infer unknown contributor genotype • only after having inferred unknown,
- compare with suspect genotype (K2)















































