

# CSI Case Report

## Executive Summary

Forensic analysis of the scene indicates a close-range encounter involving a knife and significant bleeding, suggesting a medium-to-high lethality injury. The presence of a single muddy footprint near the point of blood spatter establishes a probable pathway of arrival and departure. These findings support a timeline of suspect arrival, weapon use, victim injury, and subsequent egress. Preliminary hypotheses regarding suspect demographics and intent are derived from the physical evidence observed.

## Scene Description

Kitchen: bloody knife near sink, pool of fresh blood, single muddy footprint.

## Evidence Table

ID	Type	Location	Description	Confidence
EV-3eb8514c-1	blood_stain	derived from scene text	Detected blood_stain based on description or image.	0.75
EV-3eb8514c-2	knife	derived from scene text	Detected knife based on description or image.	0.75
EV-3eb8514c-3	footprint	derived from scene text	Detected footprint based on description or image.	0.75
EV-3eb8514c-4	forensic_clue	contextual	footprints suggest movement or arrival path	0.85

## Timeline

- Step 1: Suspect arrived at the scene - Evidence - - Movement or entry indicators detected
- Step 2: Weapon discharged or used - Evidence - - Ballistic or weapon evidence present
- Step 3: Victim sustained injuries - Evidence - - Blood evidence confirms impact
- Step 4: Suspect fled the scene - Evidence - - Footwear patterns indicate exit path

## Suspect Hypotheses

- SP-481de2: age 25-40, build medium, confidence 0.45. Reason: Based on knife evidence, probable right-hand usage, medium build typical for single aggressor.
- SP-b3b563: age 18-28, build slim, confidence 0.28. Reason: Lighter build hypothesis due to limited physical disturbance at the scene.
- SP-226eea: age 30-50, build heavy / strong, confidence 0.22. Reason: Blood pattern suggests forceful injury - possibly requiring more strength.