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An experimental study on the effects of the head angle and bullet diameter on the penetration of a gelatin block

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## ACCEPTED MANUSCRIPT

## Highlights

- Small-scale ammunition experiments using moderate bullet speeds are performed.
- 10 percent gelatin blocks are used for the present wound ballistics.
- The effects of bullet shapes, i.e., head angle, diameter, are analyzed.
- Several empirical relationships are presented and compared with the experiment results.

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