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**A comparison of bleeding efficiency, microbiological quality and lipid oxidation in goats subjected to conscious halal slaughter and slaughter following minimal anaesthesia**

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## ABSTRACT

The study assessed the effect of conscious halal slaughter and slaughter following minimal anaesthesia on bleeding efficiency of goats and keeping quality of goat meat. Ten Boer cross bucks were divided into two groups and subjected to either halal slaughter without stunning (HS) or minimal anaesthesia prior to slaughter (AS). The blood lost during exsanguination was measured. Residual blood was further quantified by determination of haemoglobin and myoglobin content in *Longissimus lumborum* muscle. Storage stability of the meat was evaluated by microbiological analysis and lipid oxidation. Blood loss at exsanguination, residual haemoglobin and lipid oxidation were not significantly different ( $p > 0.05$ ) between HS and AS. Lactic acid bacteria was the only microbe that was significantly elevated after 24 h of storage at

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