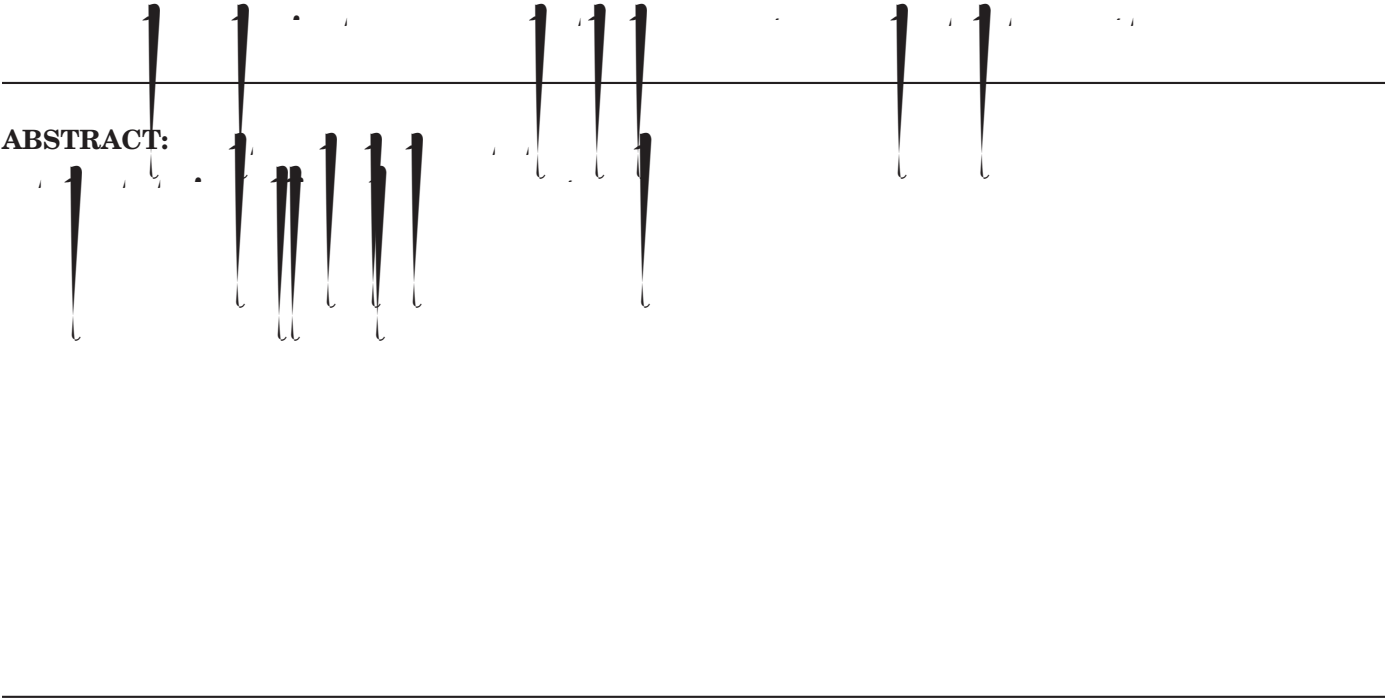
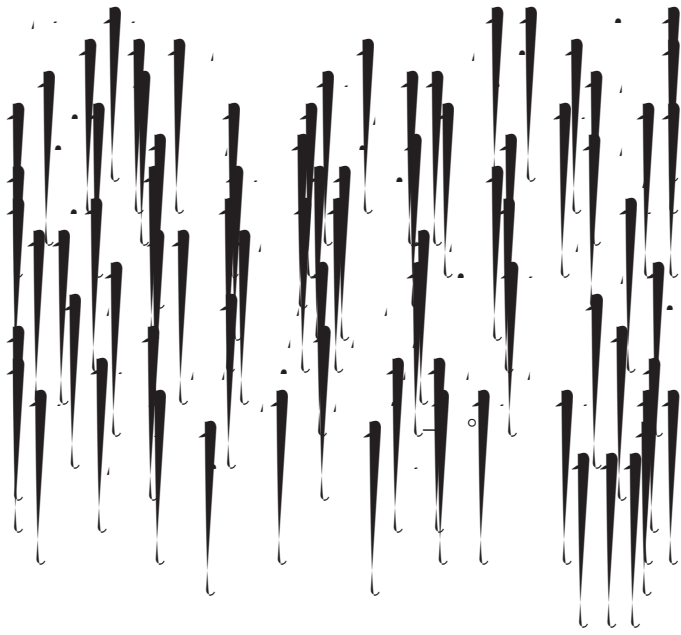


# Intramuscular tenderness variation within four muscles of the beef chuck<sup>1</sup>

G. A. Searls, R. J. Maddock,<sup>2</sup> and D. M. Wulf

ABSTRACT:



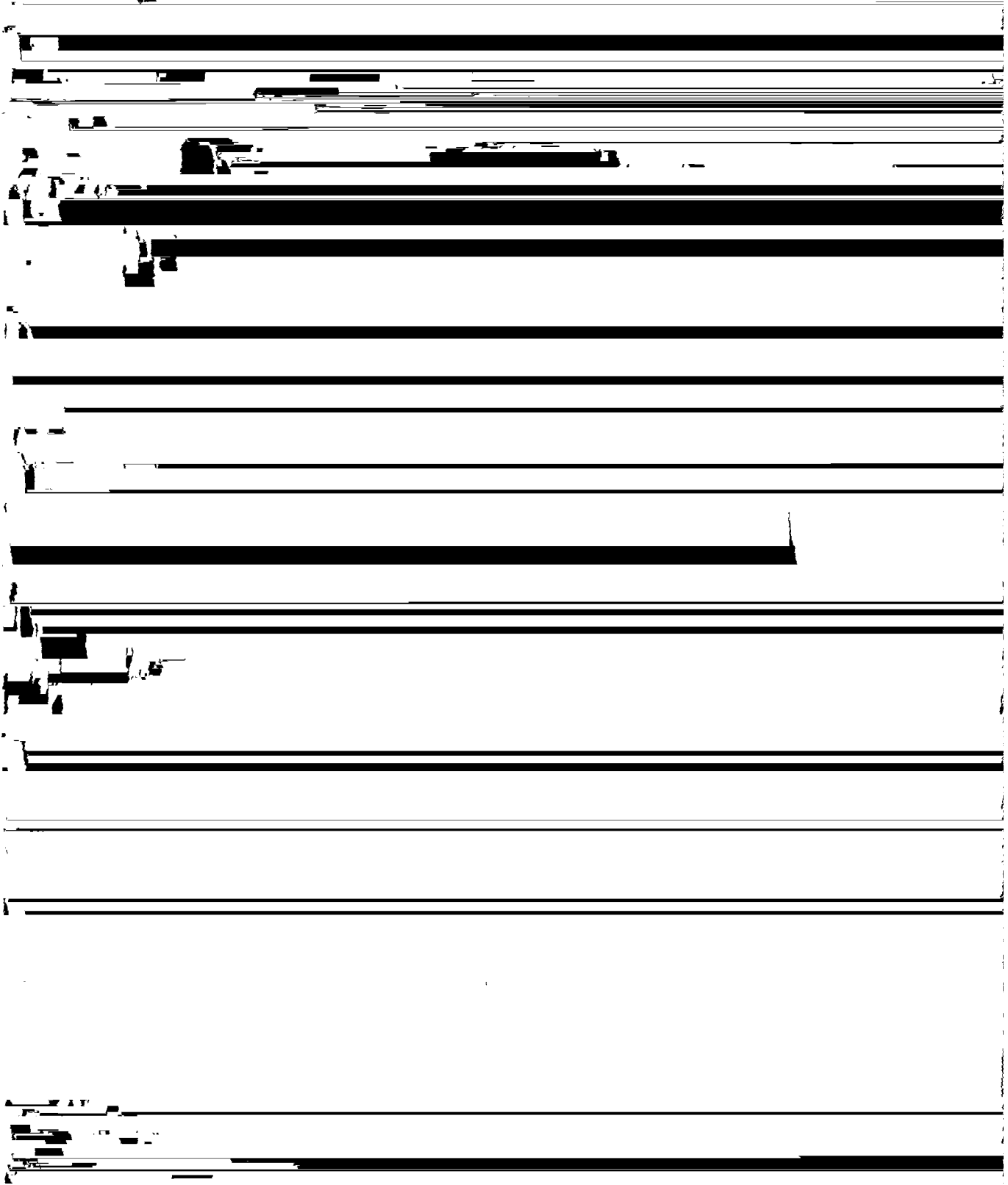


.. . . .

**Whole muscle**  
**Distal**

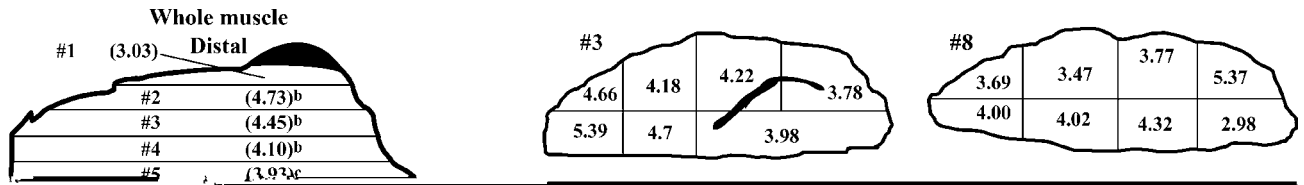
**Reference steak**

11.4

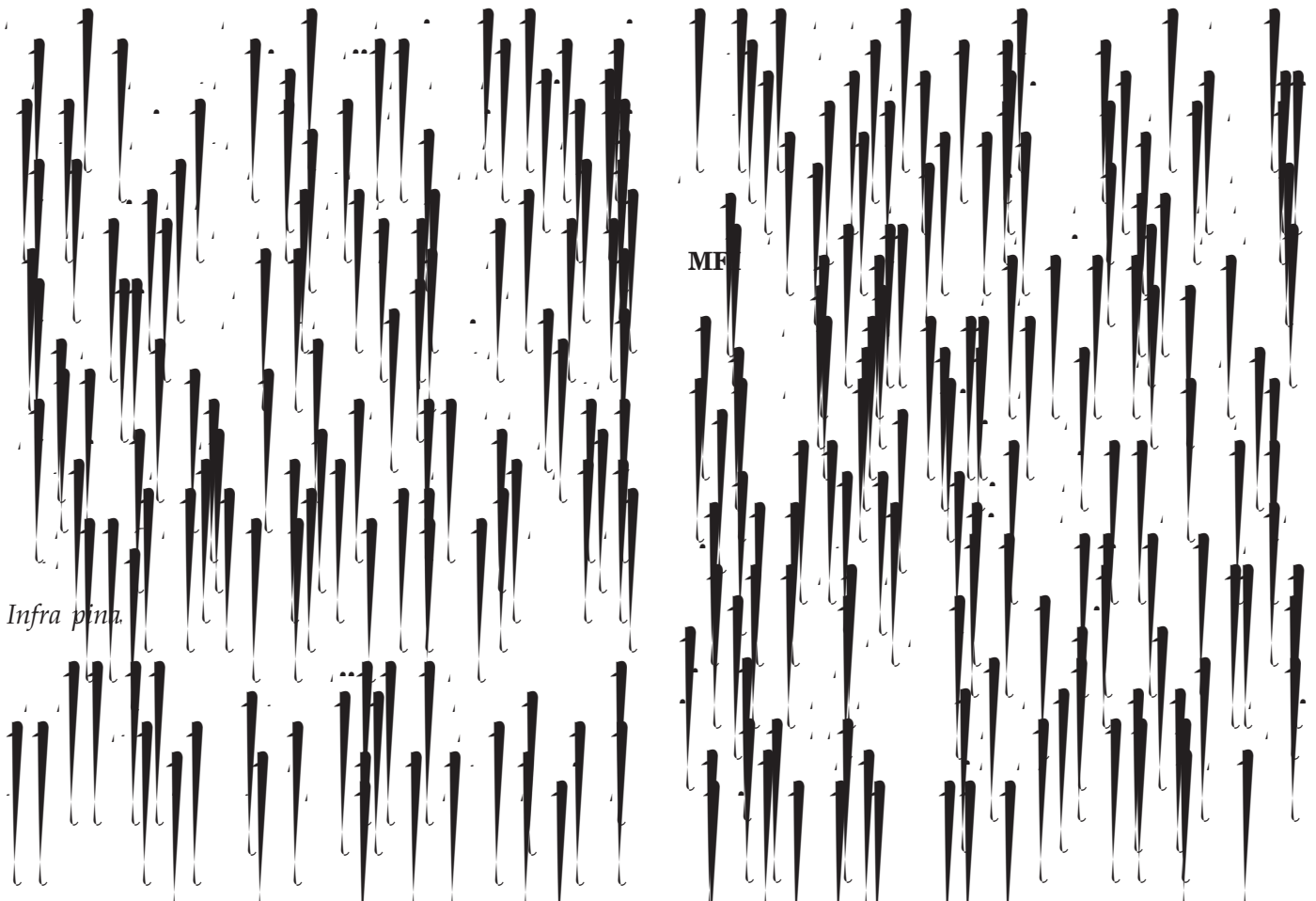


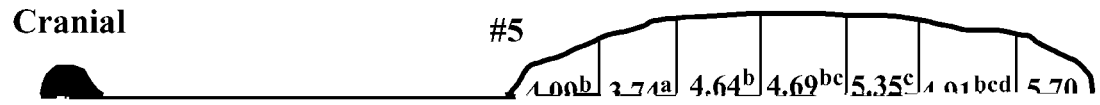
**Figure 1.** Schematics of the supraspinatus and representative steaks from 2.5-cm increments along the long axis of the muscle. Least squares means for shear force values (kg) are also displayed. Parenthetical data represent steak average shear force values (SE = 0.30, 0.25, 0.24, 0.23, 0.25, 0.25, 0.25, 0.25, 0.25, 0.25, 0.25) muscle. SE = standard error.





**Figure 3.** Schematics of the triceps brachii and representative steaks from 2.5-cm increments along the long axis of the muscle. Least squares means for shear force values (kg) are also displayed. Parenthetical data represent steak average shear force (SE = 0.26, 0.18, 0.12, 0.11, 0.10, 0.09, 0.08, 0.08, 0.08, 0.08, 0.09, and 0.11 for steaks 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, and 12. Within the muscle, least squares means that do not have a common superscript letter differ,  $P < 0.05$ .





**Figure 4.** Schematics of the serratus ventralis and representative steaks from 2.5-cm increments along the long axis of the muscle. Least squares means for shear force values (kg) are also displayed. Parenthetical data represent steak average shear force (SE = 0.34, 0.22, 0.18, 0.16, 0.15, 0.13, 0.13, 0.14, 0.17, 0.24, 0.52, 0.64, and 0.74 for steaks 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, and 13, respectively). Within a muscle and specific steak, least squares means that do not have a common superscript letter differ,  $P < 0.05$ .

*Tricep Brachii*

