

TEN-4-FACESp :

TORSO

EARS

NECK

Less than 4 years old or any bruise in an infant less than 4 months

FRENULUM

ANGLE OF THE JAW

CHEEKS (fleshy)

EYELIDS

SUBCONJUNCTIVAL HEMORRHAGE

Patterned bruising

A multicenter cross-sectional study of 2161 children younger than 4.0 years found the TEN-4-FACESp Bruising Clinical Decision Rule (BCDR) to be 95.6% sensitive and 87.1% specific for distinguishing abuse from nonabusive trauma. The BCDR was comprised of 3 components: (1) **body region bruised** (torso, ear, neck, frenulum, angle of jaw, cheeks [fleshy], eyelids, and subconjunctivae), (2) **bruising anywhere on an infant 4.99 months and younger**, or (3) **patterned bruising**. In this study, an affirmative finding for any of the 3 BCDR TEN-4-FACESp components **in children younger than 4 years** indicated a potential risk for abuse warranting further evaluation.

A link to the study is provided here.

Pierce, M. C., Kaczor, K., Lorenz, D. J., Bertocci, G., Fingarson, A. K., Makoroff, K., Berger, R. P., Bennett, B., Magana, J., Staley, S., Ramaiah, V., Fortin, K., Currie, M., Herman, B. E., Herr, S., Hymel, K. P., Jenny, C., Sheehan, K., Zuckerbraun, N., Hickey, S., ... Leventhal, J. M. (2021). Validation of a Clinical Decision Rule to Predict Abuse in Young Children Based on Bruising Characteristics. *JAMA network open*, 4(4), e215832.

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