

Nursing Practice Implications

Clinical factors influencing extubation outcomes can guide nursing interventions and communications with interprofessional team members. Bedside nurses are pivotal in employing patient interventions to promote extubation success. The hard core data defining the significance of clinical factors in the 24 hours preceding extubation were underexplored in the existing literature. The results of this study contribute new information regarding the assessment of respiratory rate during the 24 hours preceding extubation as a clinical factor to consider prior to extubation. The study provides initial insight into the significance of elevated respiratory rates during the weaning process in ICU surgical patients to achieve extubation success.

The extubation process study findings can contribute to the development of a clinical process to reduce reintubations within 30 postoperative days.