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Towards a better understanding of anesthesia emergence mechanisms: Research and clinical implications

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Abstract

Emergence from anesthesia (AE) is the ending stage of anesthesia featuring the transition from unconsciousness to complete wakefulness and recovery of consciousness (RoC). A wide range of undesirable complications, including coughing, respiratory/cardiovascular events, and mental status changes such as emergence delirium, and delayed RoC may occur during this critical phase. In general anesthesia processes, induction and EA represent a neurobiological example of 'hysteresis'. Indeed, AE mechanisms should not be

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The 1990s was an important era in anesthetic mechanisms research for four reasons. First ... macro-level mechanisms can be causally sufficient to explain such emergent ... to understanding the