“Video” Accompanying: Measure to Quantify the Influence of Time from End of Surgery to Tracheal Extubation on Operating Room Workflow

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Video Lasts 18 Minutes
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- This “video” lasts 18 minutes
  - Extubation 15.0 minutes after end of surgery
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  - Representative situation (see Table 1)
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To learn how to evaluate if there is an idle person, do not speed up the video
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  - Extubation 15.0 minutes after end of surgery
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  - Representative situation (see Table 1)
- To learn how to evaluate if there is an idle person, do not speed up the video
  - 15 minutes is a long time, which is why evaluating if there has been idle person is easy
When Finished, the Video Rewinds to 13.5 Minutes
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• Having perfect (magical) retrospective knowledge that extubation will occur at 15.0 minutes, it is necessary only to have observed for the last 2 minutes.
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  - Reason is that people tend to move around until they start to be idle
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• Looking for idleness is straightforward because usually all that is effectively being done is watching just before extubation
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  – “Rewind” to 13.5 minutes emphasizes point
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• Goal is not to track activities

• Goal is to evaluate if a person has been idle for at least one minute
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• Goal is to evaluate if a person has been idle for at least one minute
• Movements in this video are realistic
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• Movements in this video are realistic
  – When surgery resident starts being idle he remains idle until extubation, which is realistic
Anesthesia Resident
Surgical technologist
Circulating nurse
Medical student
Surgery resident
Anesthesiologist
Will enter later
Anesthesiologist entering
Medical student still wandering
Anesthesiologists and Circulating nurse talking
Medical student still wandering
Use of Stick Figures

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- Goal is not to track activities
- Goal is to evaluate if a person has been idle for at least one minute
- Movements in this video are realistic
  - When surgery resident starts being idle he remains idle until extubation, which is realistic
Circulating nurse: Getting blanket
Surgeon: Time to go
Surgical technologist: Getting transport bed
Circulation nurse: Final documentation
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  – “Rewind” to 13.5 minutes emphasizes point
Surgical technologist: Getting transport bed
Credits

• Script
  – Danielle Masursky
  – Franklin Dexter
• Animation
  – Jodi Kazerani
• Editing
  – Franklin Dexter
Additional Information on Operating Room Management

- [www.FranklinDexter.net/education.htm](http://www.FranklinDexter.net/education.htm)
  - Example reports with calculations
  - Lectures on day of surgery decision making, PACU staffing, OR allocation and staffing, anesthesia staffing, financial analysis, comparing surgical services among hospitals, strategic decision making, and drug costs
- [www.FranklinDexter.net](http://www.FranklinDexter.net)
  - Comprehensive bibliography of peer reviewed articles in operating room and anesthesia group management