Influence of Work Shift Type on Cesarean Delivery Decision-To-Incision Times

- AAP & ACOG Goals
  - 15 minutes emergent DII
  - 30 minutes urgent DII

- Study Aim:

  Is there a difference in DII times based on work shift type? (night/weekend vs. days)

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- 18-month retrospective review
- 445 patients included
- DII Goal Met (off-shift vs on-shift)
  - Emergent: 91% vs 86%
  - Urgent: 75.3% vs 83.3%
- DDI Goal Met (off-shift vs on-shift)
  - Emergent: 86% vs 83%
  - Urgent: 37.0% v 59.4% (P<0.001)

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- Decision to Incision Interval
  - No significant differences
- Decision to Delivery Interval
  - Urgent goal met less during off-shifts
- General anesthesia used twice as often during off-shifts for emergent cases

	Emergent CD			Urgent CD		
Characteristic	On-shift (n=29)	Off-shift (n=43)	*P* value	On-shift (n=138)	Off-shift (n=235)	*P* value
Type of anesthesia			.03			.61
General	8 (28)	24 (56)		5(3.6)	12 (5.1)	
Regional	21 (72)	19 (44)		133 (96.4)	223 (94.9)	

Abbreviation: CD, cesarean delivery.

[a] Values are mean (SD) or No. of patients (%).

Conclusion:

Decision to Incision times for Emergent and Urgent Cesarean delivery do not appear to be affected by time of day or work shift type

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