

Spring 2016 Implementing EHR into Class, Clinical and lab

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CNE

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Rowan College at Gloucester
County



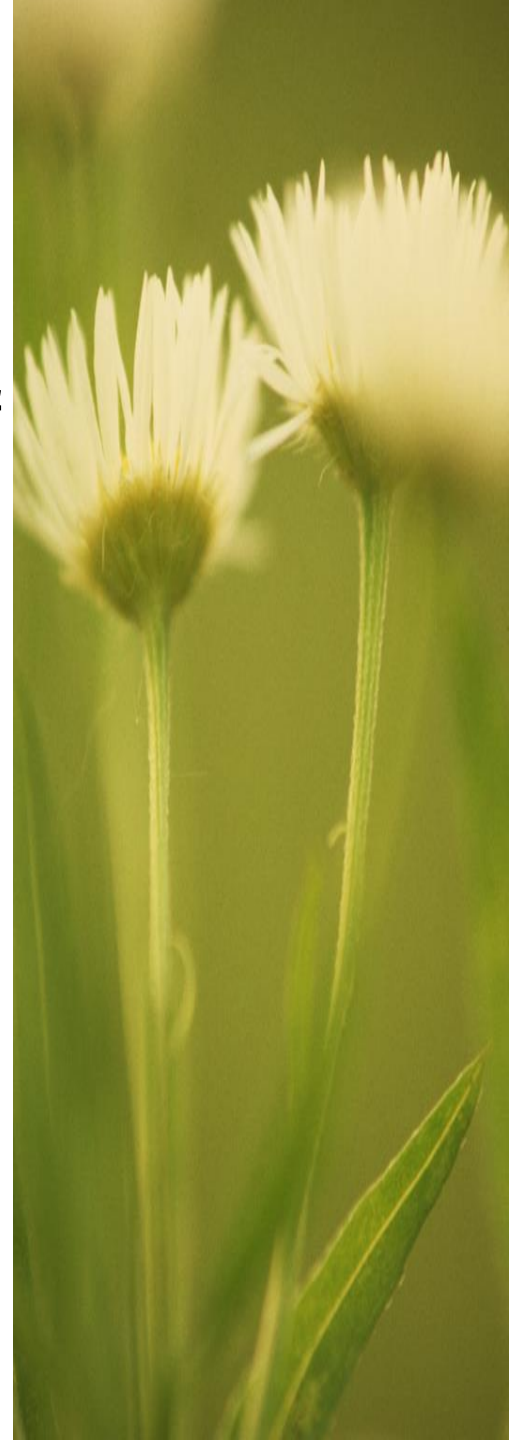
Disclosure

- G. Galosi and G. Turner do not have any financial relationship with education, healthcare or simulation products or companies.



Learning Outcomes

- Discuss the challenges in the educational setting affecting the use of EHR.
- Analyze current trends in nursing education leading to the expanded use of EHR.
- Explore innovative techniques for using EHR in the classroom, clinical and lab setting (provide example).



Changes in healthcare settings.

- Affordable Care Act
- Federal incentives
- Regulatory requirements
- Expectations of new graduates to be able to electronically document



Polling Question

- Kahoot.it
- Put in Gamepin
- (After I get it)



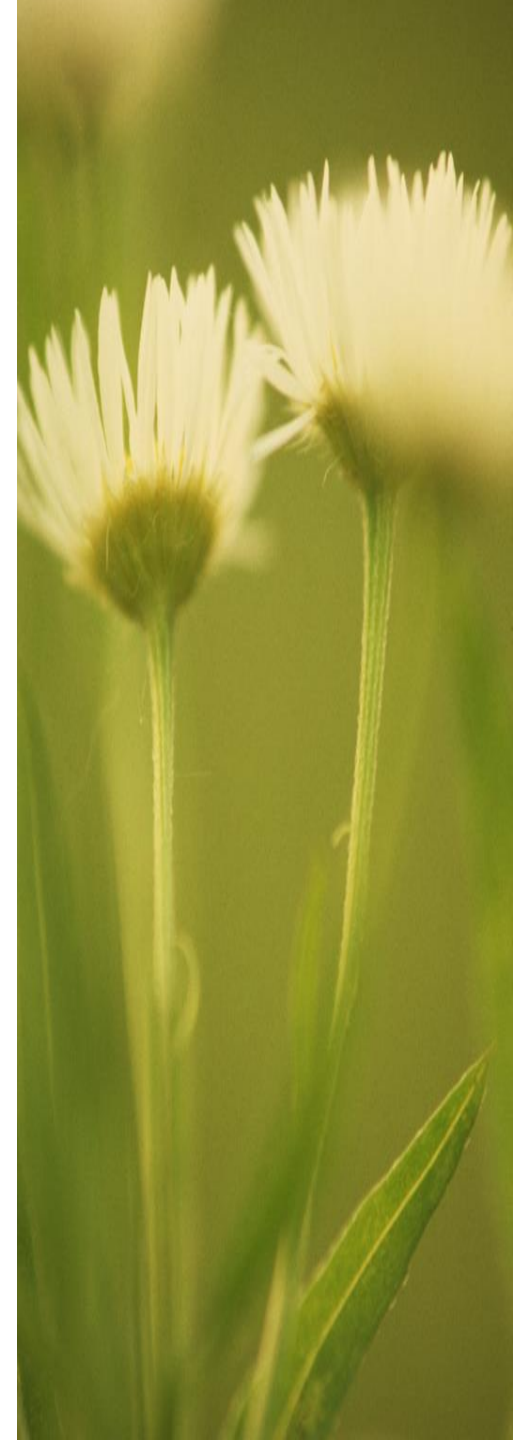
EHR in the Clinical Setting

- Documentation of individual patient assignments
- Alternate clinical assignments-
 - Review the chart and document expected findings
- Post conference-
 - One student gives report-other students document expected findings and then compare.



EHR in the Lab Setting

- Students document the skills
 - Performed in the lab
 - ADL's, V/S, Med pass, Assessments
 - Progress notes
 - Foley insertion and/or removals
 - V/S out of the expected findings (high B/P)



EHR in the Classroom

EHR Tutor

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*An affordable, easy to use solution for electronic charting
in the Classroom, Simulation Lab and Clinicals*

EHR Tutor Product Demo





Courses

Patient Chart Library

Activity Library

Instructor Resources

Courses

New Course

Show Completed Courses

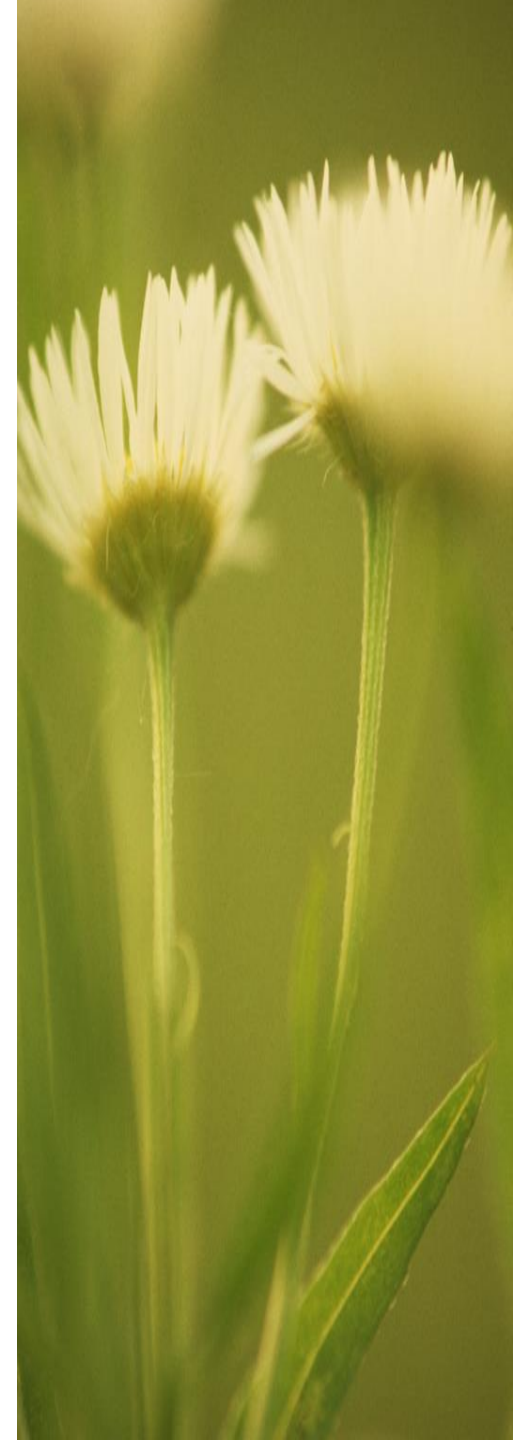
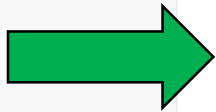
Show 10 ▾ entries

Search:

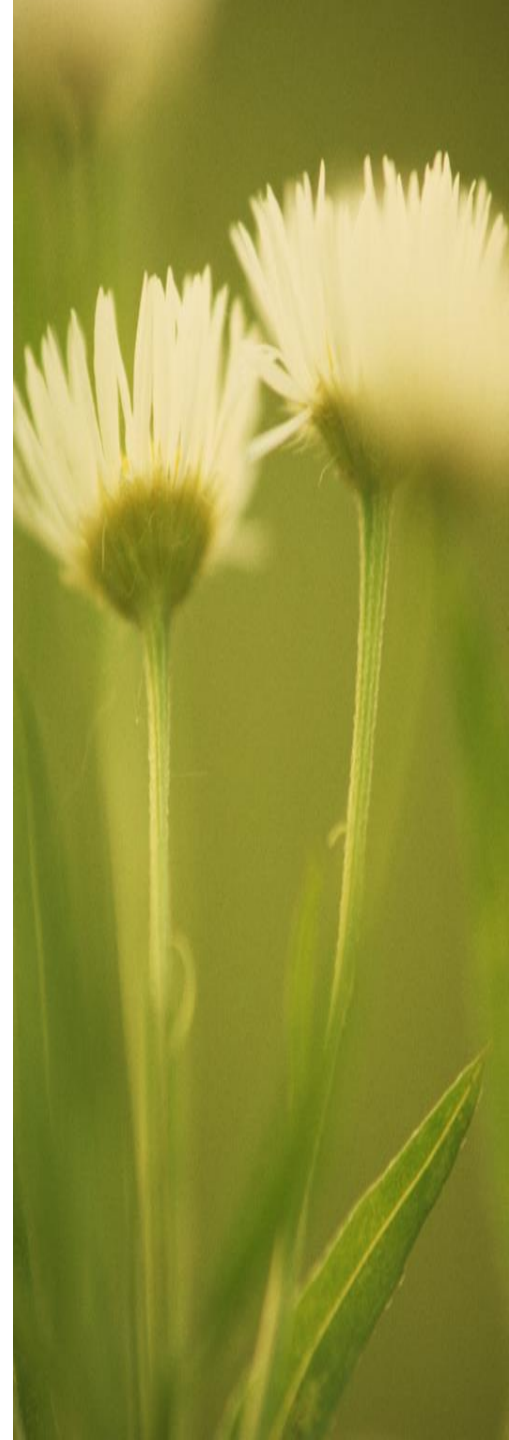
Name ▴ ▾	Course End ▴ ▾			
Class Lecture 141		Edit Course/Course Users	Manage Activities/View Student Charting	Delete Course
Spring Skills Lab	06/10/2016 0952	Edit Course/Course Users	Manage Activities/View Student Charting	Delete Course

Showing 1 to 2 of 2 entries

Previous **1** Next



- Students are instructed to sign in to EHRtutor and go to the class NUR 141 Intrapartum Class upon entering the classroom



Go to the Course

Course List - EHR Tutor x

https://my.ehrtutor.com/teacher

EHR Tutor
Rowan College at Gloucester County

Instructor Student View Polling Support

Gina Galosi Sign Out

Courses

Patient Chart Library

Activity Library

Instructor Resources

Courses

New Course

Show Completed Courses

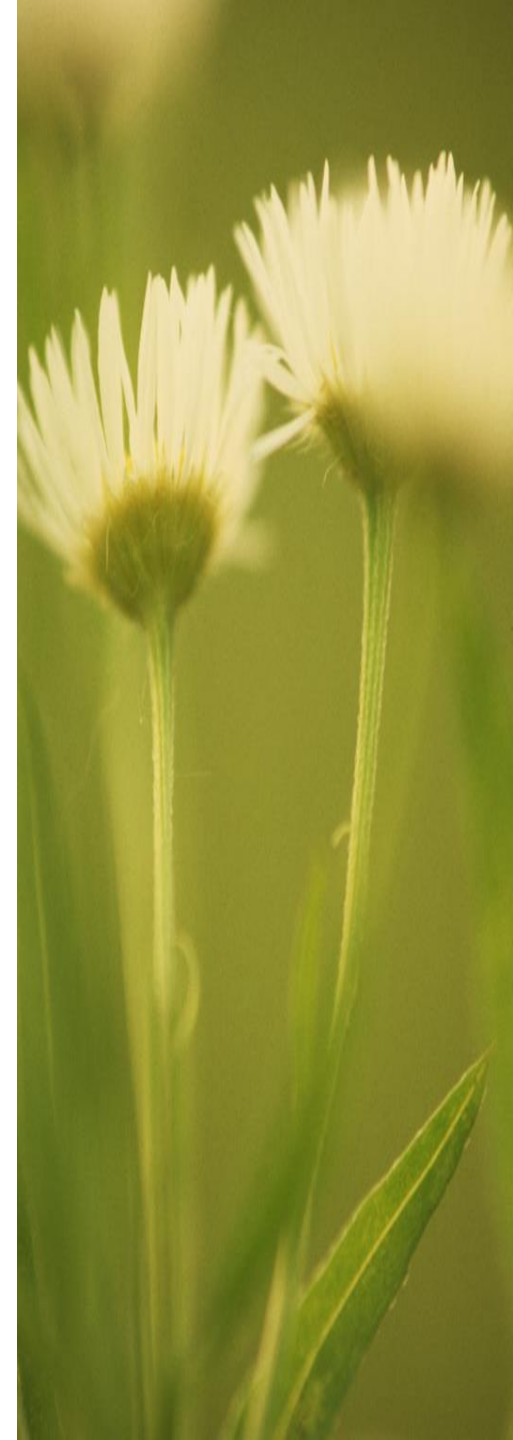

Show 10 entries Search:

Name	Course End			
Class Lecture 141		Edit Course/Course Users	Manage Activities/View Student Charting	Delete Course
Spring Skills Lab	06/10/2016 0952	Edit Course/Course Users	Manage Activities/View Student Charting	Delete Course

Showing 1 to 2 of 2 entries

Previous 1 Next

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Course Activities - EHR Tutor

https://my.ehrtutor.com/teacher/course/2456/activity

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Courses

Patient Chart Library

Activity Library

Instructor Resources

Back to Courses

Class Lecture 141

practice

Create New Activity Copy from Courses Add from Library

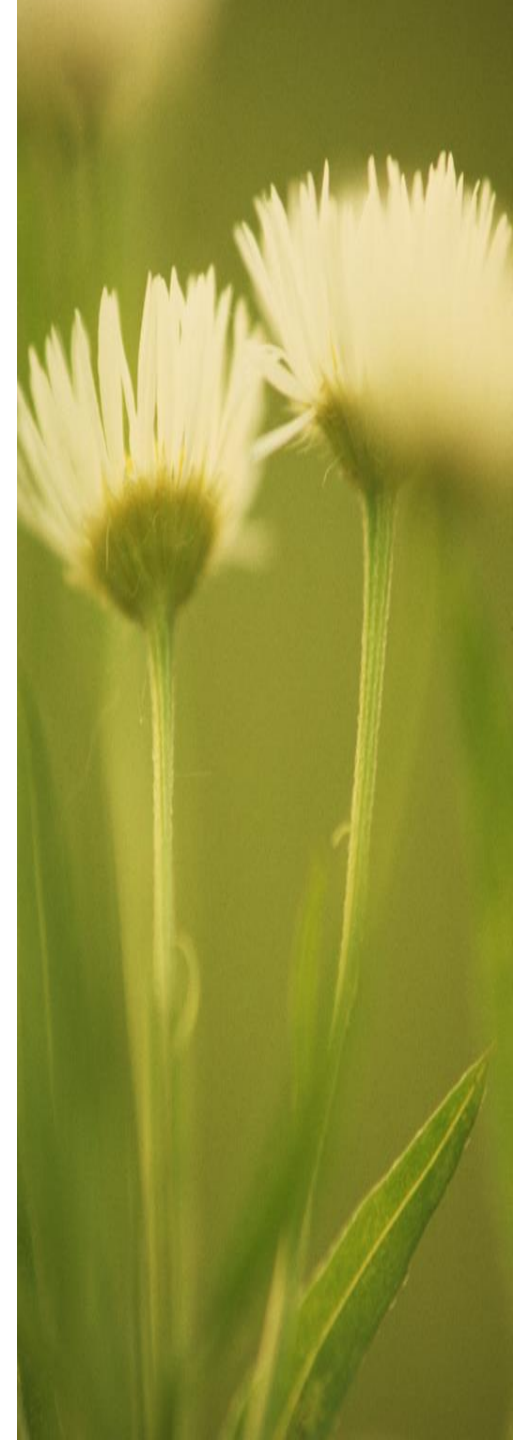
Show 10 entries Search:

Activity Name	Due Before	Shared Patients	Visible to Students			
Fluid and Electrolyte		Yes	Yes	Edit Activity	Student Charting	Delete Activity
Intrapartum Class		No	Yes	Edit Activity	Student Charting	Delete Activity
Periop 3 Class		Yes	Yes	Edit Activity	Student Charting	Delete Activity
postpartum Zoe		No	Yes	Edit Activity	Student Charting	Delete Activity

Showing 1 to 4 of 4 entries


Previous 1 Next

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Activity Editor - EHR Tutor x

https://my.ehrtutor.com/teacher/course/2456/activity/10844

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Courses

Patient Chart Library

Activity Library

Instructor Resources

Edit Activity

[Return to Activities](#)

Class Lecture 141

Save

Copy Activity to Library




Activity Type

Individual Patients




Activity Name



Intrapartum Class







Instructions to Student

**B***I*U

Helvetica14A







Activity Description

Chart in the obstetrics tab what you see on the overhead screen today in class when prompted by the powerpoint

Visible to Students

☒

Optional: Schedule



Instructions for class

Activity Editor - EHR Tutor X

https://my.ehrtutor.com/teacher/course/2456/activity/10844

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(e.g.
01/01/2000
2300)

Do not allow student charting after due date ☐

Students ☐ Inpatient Chart

Create Patient

Add Patient

Name: Zoe A Normalabor Copy
MRN: 44932
Sex: F
Description:
Obstetric, 27 year old labor patient. No charting done except Provider note and orders.
Age: 27 year old

Remove Patient

Save

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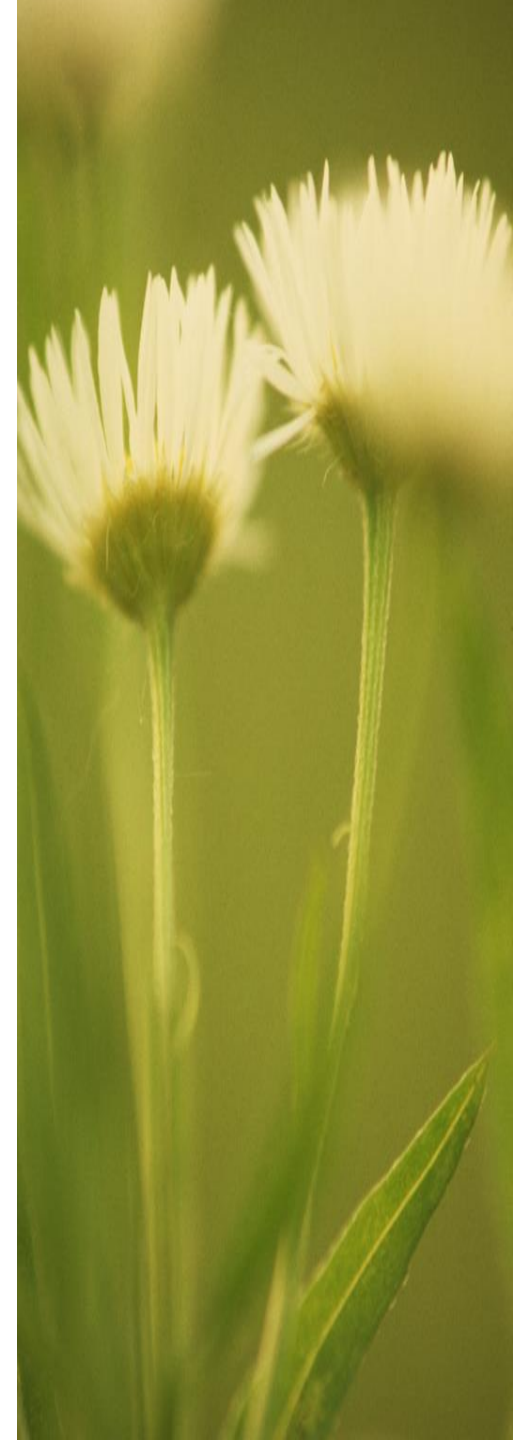
Student View-Zoe normal labor

The screenshot shows a web browser window with the URL <https://my.ehrtutor.com/student>. The page header includes the EHR Tutor logo, the text "Rowan College at Gloucester County", and navigation links for "Instructor", "Student View" (highlighted with a green arrow), "Polling", and "Support". The user "Gina Galosi" is logged in, with a "Sign Out" link.

The main content area is titled "Class Lecture 141" and is divided into three sections:

- Fluid and Electrolyte**
 - practice
 - Patient: Edith Grange
- Intrapartum Class**
 - Patient: Zoe A Normalabor Copy
- Periop 3 Class**
 - Follow along with class case study
 - Patient

A left sidebar contains links for "Class Lecture 141" and "Spring Skills Lab".



Go into the chart

Browser window: Patient Summary - EHR Tutor
URL: <https://my.ehrtutor.com/patient/58108/summary>

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Instructor Student View Polling Support
Gina Galosi Sign Out

Inpatient Chart Show Instructions

Patient Summary
Patient Information
Results
Provider
Allergies & Home Medications
Immunization Record
Notes
Flowsheets
Obstetrics
MAR
Orders

Zoe A Normalabor Copy (F)
MRN: 44932
Allergies: PCN

DOB: 09/20/1988 (27 year old)
Height: 65 in
Weight: 188

Attending: Maria Lester MD
Code Status: Full

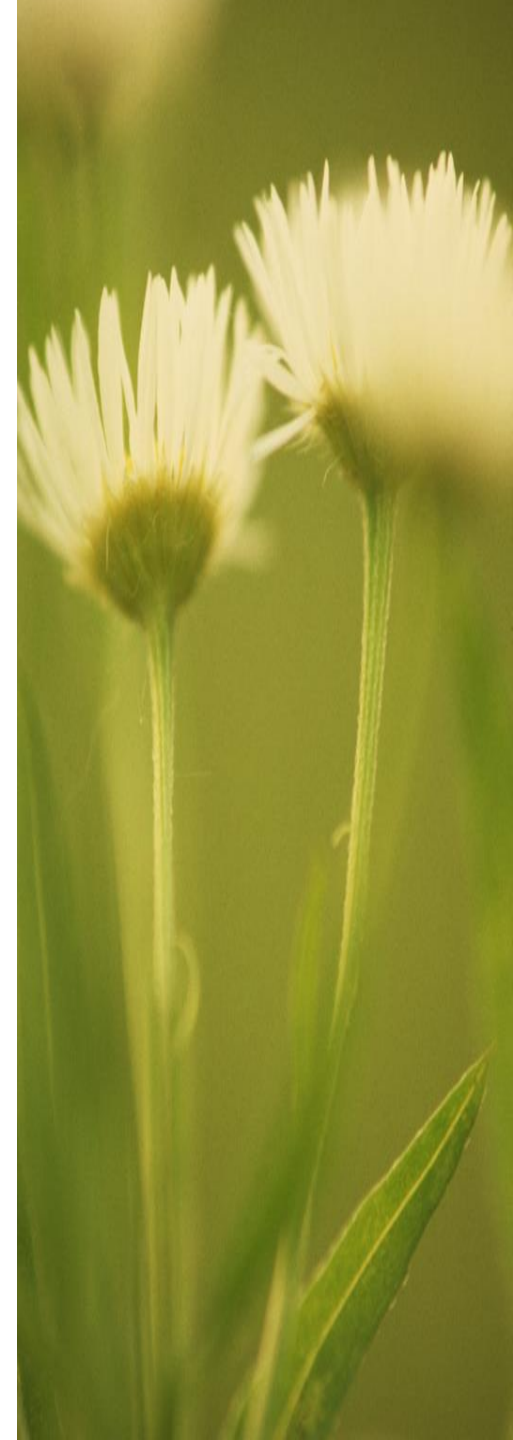
Patient Summary

Principal Problem: possible rupture of membranes

The Patient Summary is read only! To add or edit data you must open another page by clicking the appropriate tab to the left.

Vital Signs


	03/22/2016 0907
Heart rate	90
Blood Pressure	138/72
Respirations	22
Temperature	98.9 (Oral)
SpO2 (%)	99%
Pain	4




Orders/Summary

Patient Summary - EHR Tutor

← → ↺ <https://my.ehrtutor.com/patient/58108/summary> ☆ ☰

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Instructor Student View Polling Support

 Gina Galosi ▾ Sign Out

Inpatient Chart ▾

Patient Summary

Patient Information

Results ▾

Provider ▾

Allergies & Home Medications

Immunization Record

Notes ▾

Flowsheets ▾

Obstetrics ▾

MAR

Orders

Show Instructions

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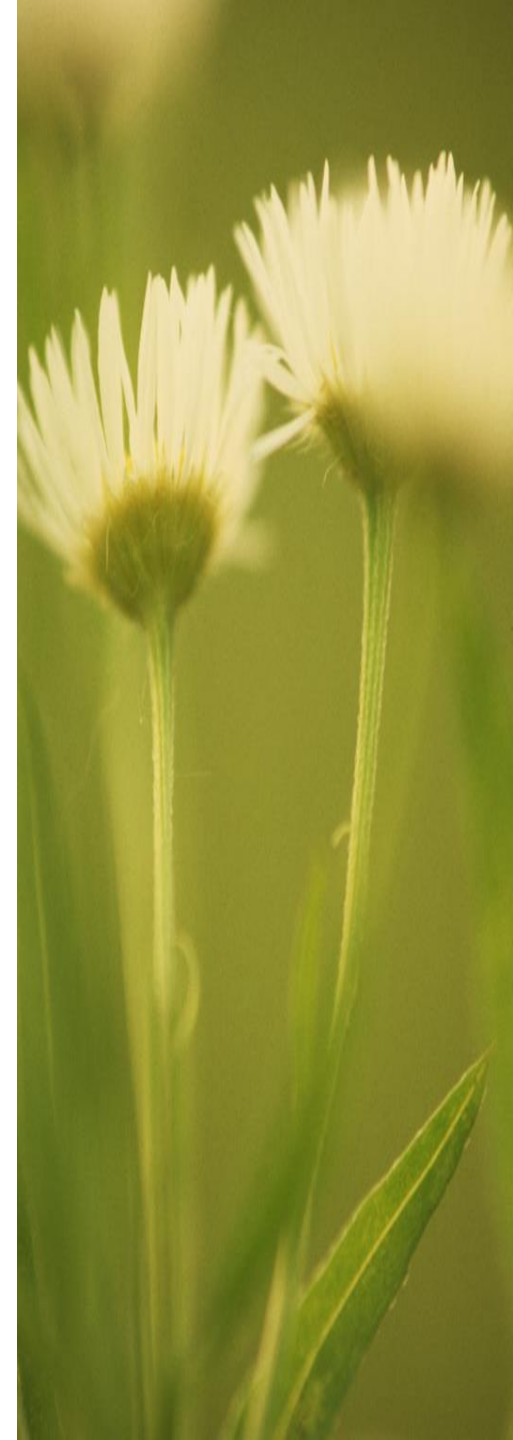
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Vital Signs

	03/22/2016 0907
Heart rate	90
Blood Pressure	138/72
Respirations	22
Temperature	98.9 (Oral)
SpO2 (%)	99%
Pain	4



Flowsheets (editable)

Patient Summary - EHR Tutor X

https://my.ehrtutor.com/patient/58108/summary

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Instructor Student View Polling Support

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Notes

Flowsheets

Admission

Vital Signs

Assessment

Daily Care

Intake and Output

Interventions (Lines, Drains, etc)

Wounds/Incisions/ Ostomies

Blood Administration

Stroke Scale

Temperature 101.9 (Oral)

SpO2 (%) 99%

Pain 4

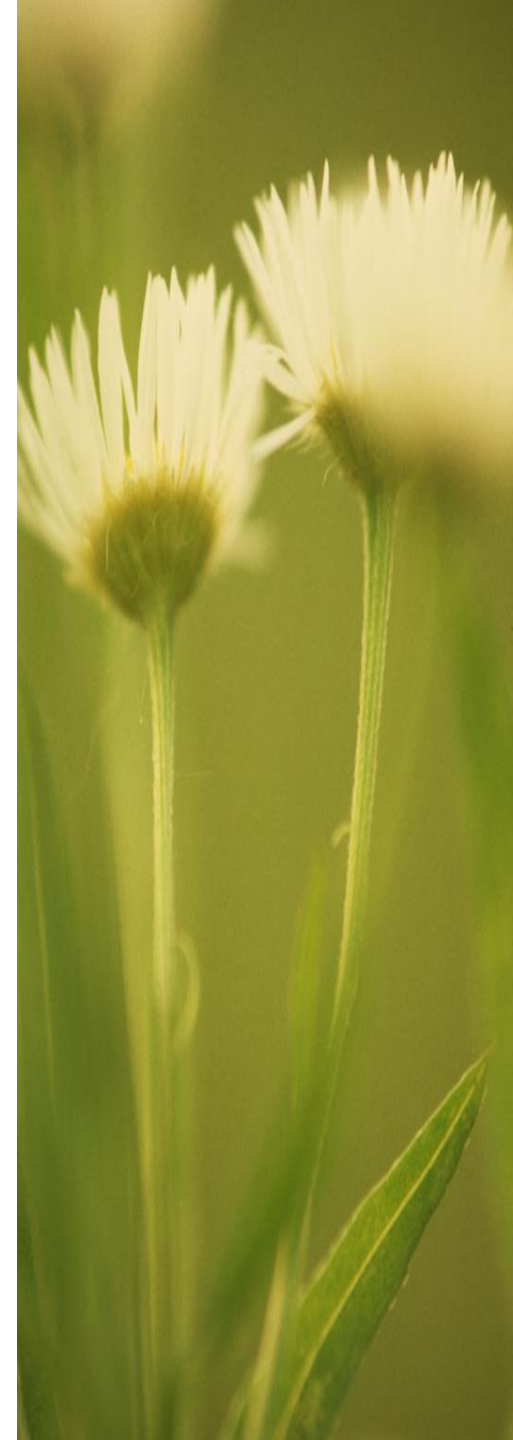
Show Instructions

Allergies:

Allergy	Date Noted	Reaction
PCN	03/12/2016	Hives

Orders

start Date	Order	Details	status
03/22/2016 0907	Complete Blood Count (CBC) with differential <i>Written order</i> Frequency: Once		Active
	Start Date: 03/22/2016 0907		
03/22/2016 0907	OXYTOCIN 30 UNITS/ LR 500 ML <i>Written order</i> Dose/Frequency: 2 Other-See Administration Instructions Titrate-specify in Administration Instructions Rate: 2 mL	Start at 2 ML/hr and increase q 30 min till ctx are q 2-3 minutes but less than 6 in 10 minutes	Active



OB Specific Charting

Patient Summary - EHR Tutor X

https://my.ehrtutor.com/patient/58108/summary

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Instructor Student View Polling Support Gina Galosi Sign Out

Notes

Flowsheets

Obstetrics

OB Admission

Labor Assessment

Delivery Summary

OB-Post Partum

MAR

Orders

Patient Education

SBAR

Care Plan

Temperature 98.9 (Oral)

SpO2 (%) 99%

Pain 4

Show Instructions

Allergies:

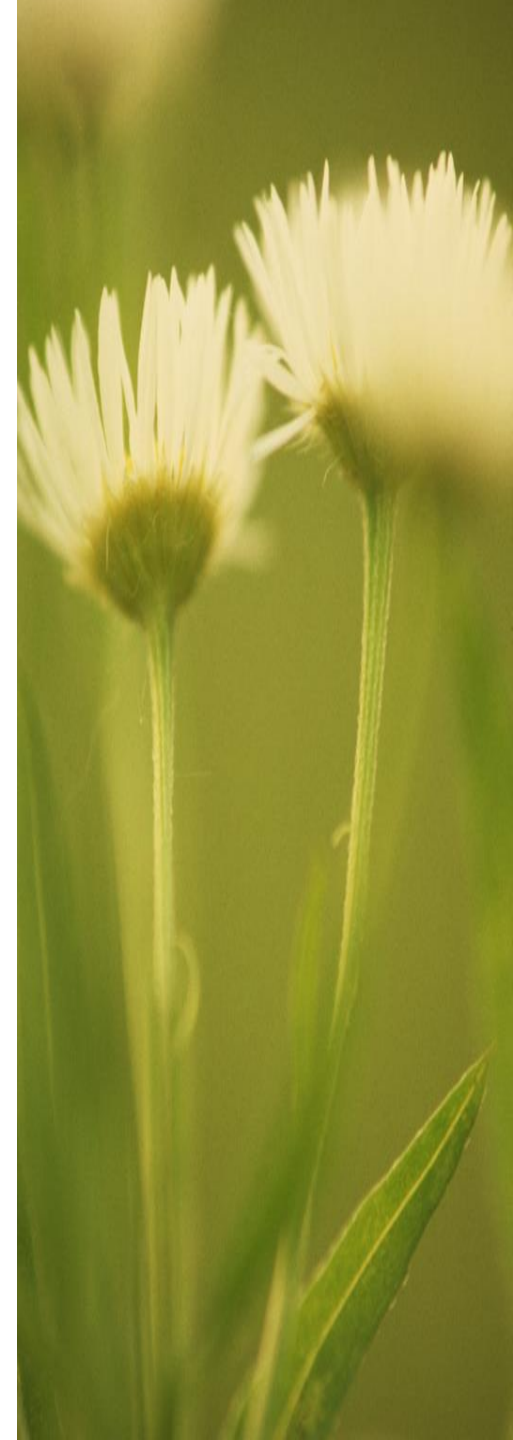
Allergy	Date Noted	Reaction
PCN	03/12/2016	Hives

Orders

start Date	Order	Details	status
03/22/2016 0907	Complete Blood Count (CBC) with differential Written order Frequency: Once		Active
	Start Date: 03/22/2016 0907		
03/22/2016 0907	OXYTOCIN 30 UNITS/ LR 500 ML Written order Dose/Frequency: 2 Other-See Administration Instructions Titrate-specify in Administration Instructions	Start at 2 ML/hr and increase q 30 min till ctx are q 2-3 minutes but less than 6 in 10 minutes	Active

2 mL

https://my.ehrtutor.com/patient/58108/summary#dropdown38-lvl1



- PCN Allergy and order for Ancef
- Students instructed to investigate a problem



Fetal Assessment Documentation

Patient Flowsheet - EHR Tutor

https://my.ehrtutor.com/patient/58108/flowsheet/50?edit=2016-03-22%2009:07:22.345584

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Fetal Assessment Show Instructions

Mother's activity/position

Monitor Mode

Fetal Heart Rate-Baseline (beats/minute)

FHR Variability

FHR-Accelerations

FHR-Decelerations

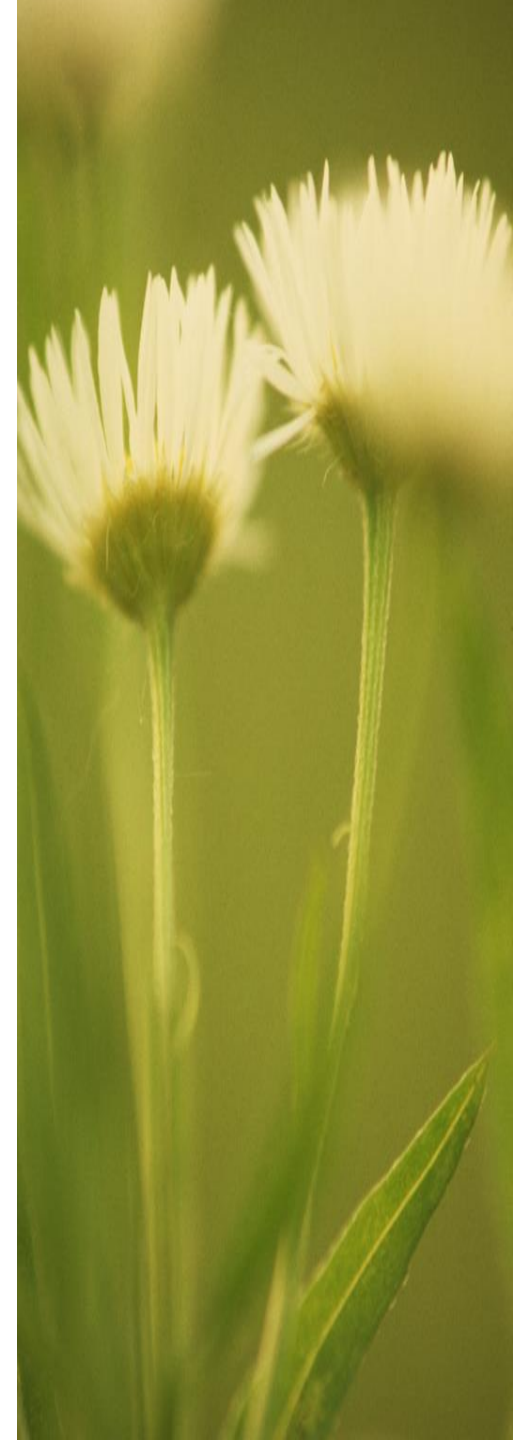
Membrane Status

Time of ROM

If AROM, by whom

Fluid Appearance


Amount of fluid




Uterine Activity Documentation

Patient Flowsheet - EHR T

https://my.ehrtutor.com/patient/58108/flowsheet/50?edit=2016-03-22%2009:07:22.345584

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 Gina GalosiSign Out

Fetal AssessmentShow Instructions

Mother's activity/position

click or begin typing for list

Monitor Mode

Fetal Heart Rate-Baseline (beats/minute)

FHR Variability

FHR-Accelerations

FHR-Decelerations

Absent
Minimal: Equal or less than 5 bpm
Moderate: 6-25 bpm
Marked: more than 25 bpm

Membrane Status

Time of ROM

If AROM, by whom

Fluid Appearance

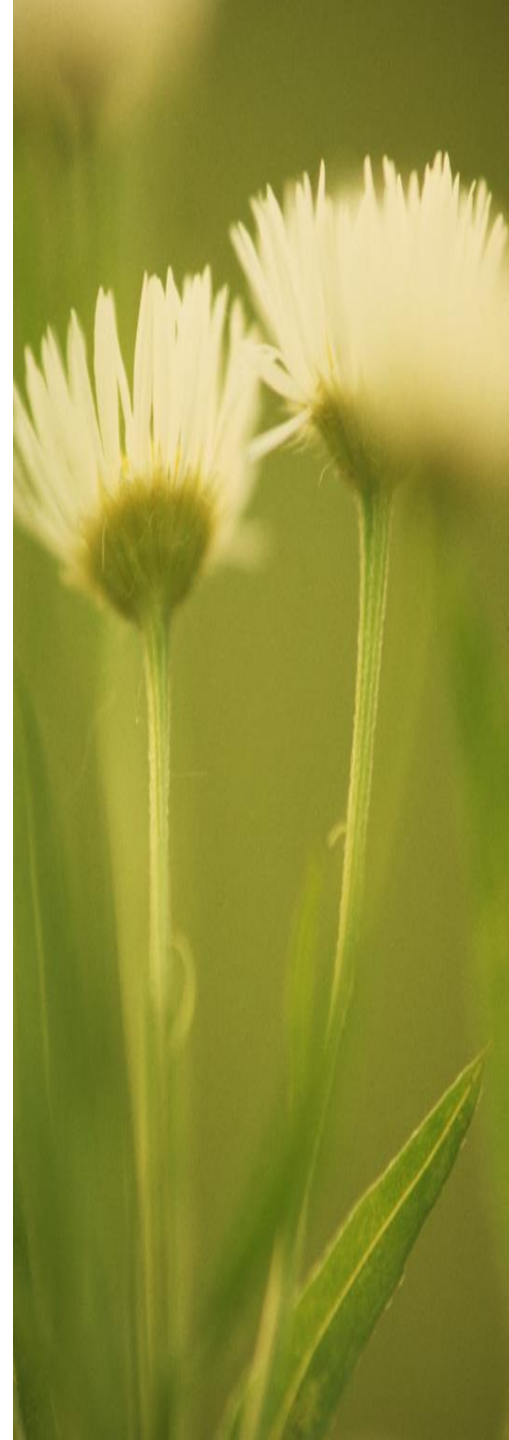
click or begin typing for list

Amount of fluid



Case Study

- Instruction on first slide upon entering for students to sign in to EHRtutor, 141 lecture/class, then familiarize themselves with Zoe-normal labor.
- Students are encouraged to bring laptops and instructions to bring laptops were added to the lessonplan



Meet Zoe



They are told to review orders

Review the orders based on the information in the last slide.

1. Do you have any questions?
2. What is your first priority concern?
3. What will you do at this time?



Report:

- On admission, her vital signs are T-98.2 O, 82, 20, 128/68, 99%.
- Her pain scale is 3/10 with mild contractions
- She was previously in triage yesterday but sent home because she was told she had “false” labor
- *Chart the vital signs above for Zoe in class lecture 141 in EHRtutor*
- List 3 ways to educate Zoe on false vs true labor



Student Charting (name removed)

Browser: Patient Summary - EHR Tutor
URL: https://my.ehrtutor.com/patient/45684/summary

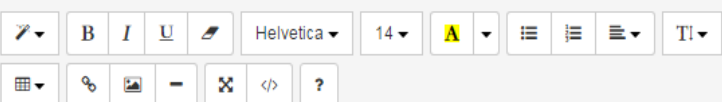
EHR Tutor
Rowan College at Gloucester County

Instructor Student View Polling Support
Gina Galosi Sign Out

Patient Summary
Patient Information
Results
Provider
Allergies & Home Medications
Immunization Record
Notes
Flowsheets
Obstetrics
MAR
Orders
Patient Education

Hide Grading
Zoe A Normalabor Copy (F) 02/02/2016 10:12 (27 year old) Attending: Maria Lester MD

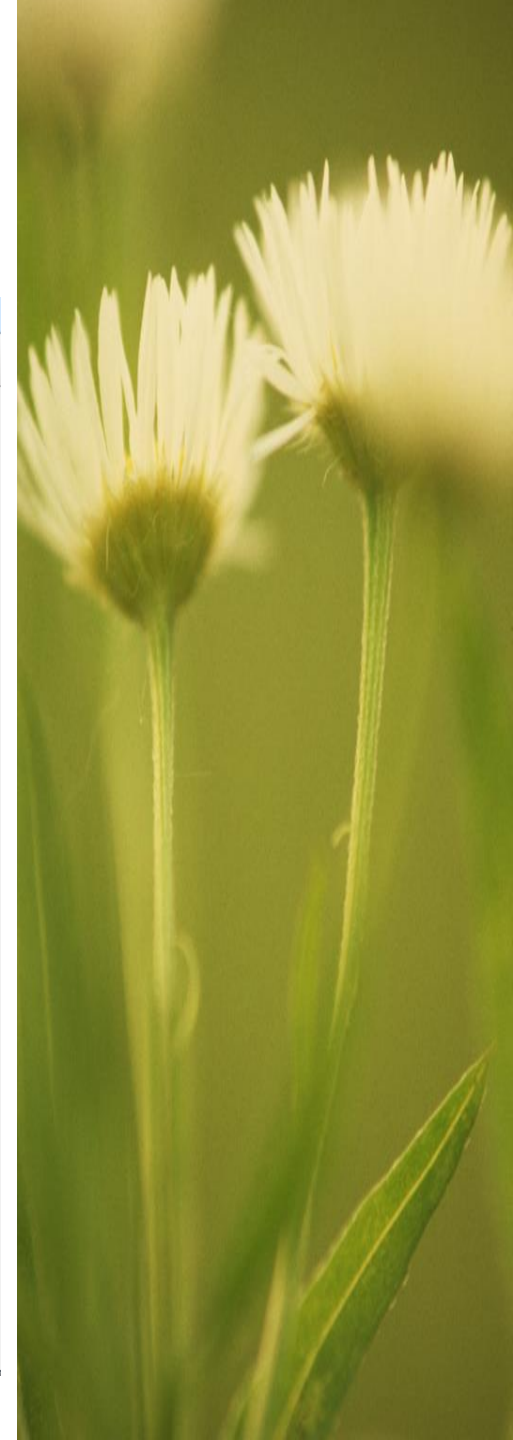
Grade:

Comments: 

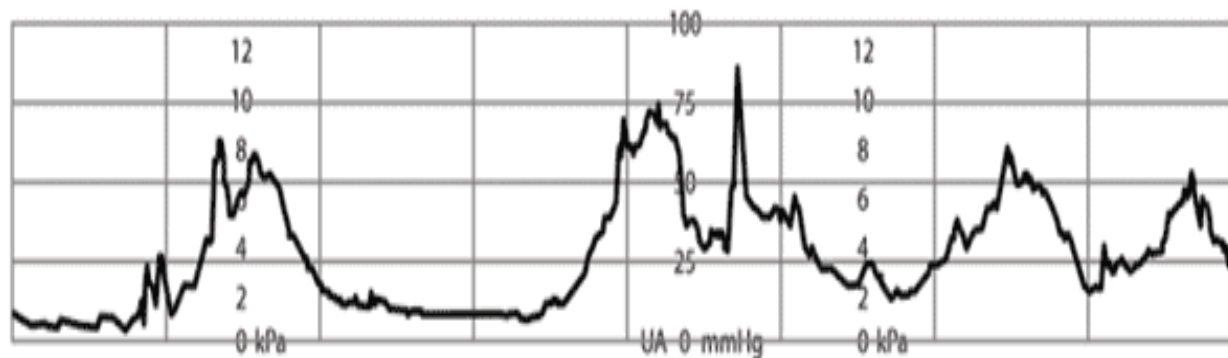
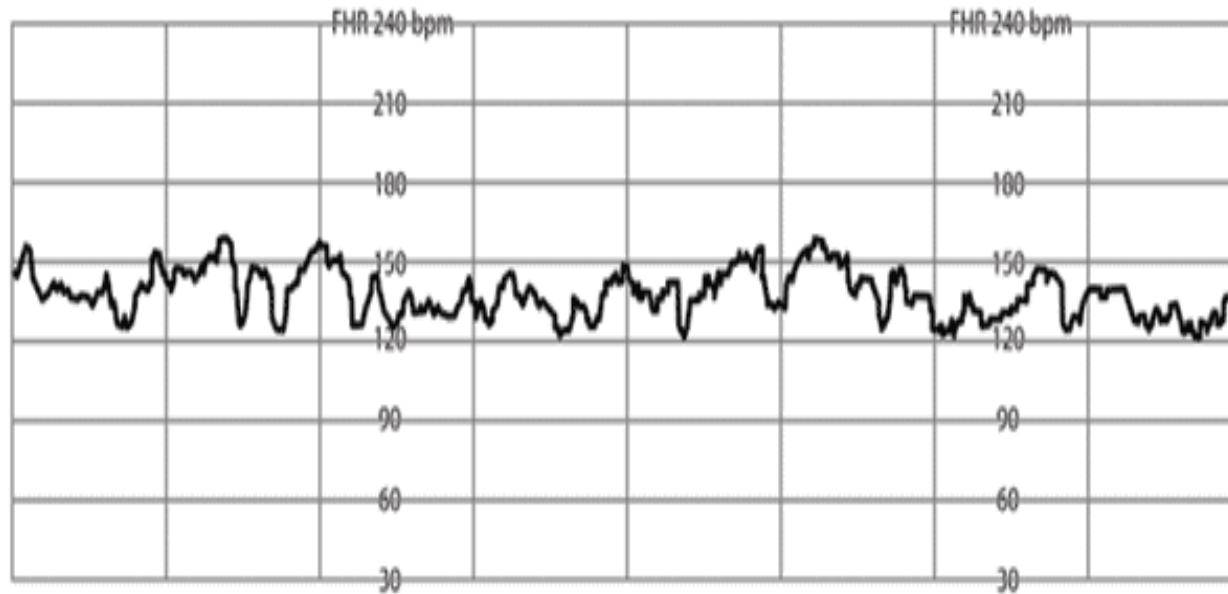
Vital Signs

	02/02/2016 1012	02/02/2016 1016
Heart rate	90	82
Blood Pressure	138/72	128/68
Respirations	22	20
Temperature	98.9 (Oral)	98.2°F (Oral)
SpO2 (%)	99%	99%
Pain	4	3

Allergies:



EFM Tracing



EFM Tracing

- Chart what you see on the monitor tracing
- What is the frequency of contractions (ctx)?
- What is the duration of contractions (ctx)?
- What is the fetal heart rate variability?
- What is the fetal heart rate or range of heart rate?

Chart this in EHR for this time in the obstetrics tab.



Student Charting of EFM

Patient Flowsheet - EHR T x

https://my.ehrtutor.com/patient/58108/flowsheet/50?edit=2016-03-22%2009:07:22.345584

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Fetal Assessment Show Instructions

Mother's activity/position

Monitor Mode

Fetal Heart Rate-Baseline (beats/minute)

FHR Variability

FHR-Accelerations

FHR-Decelerations

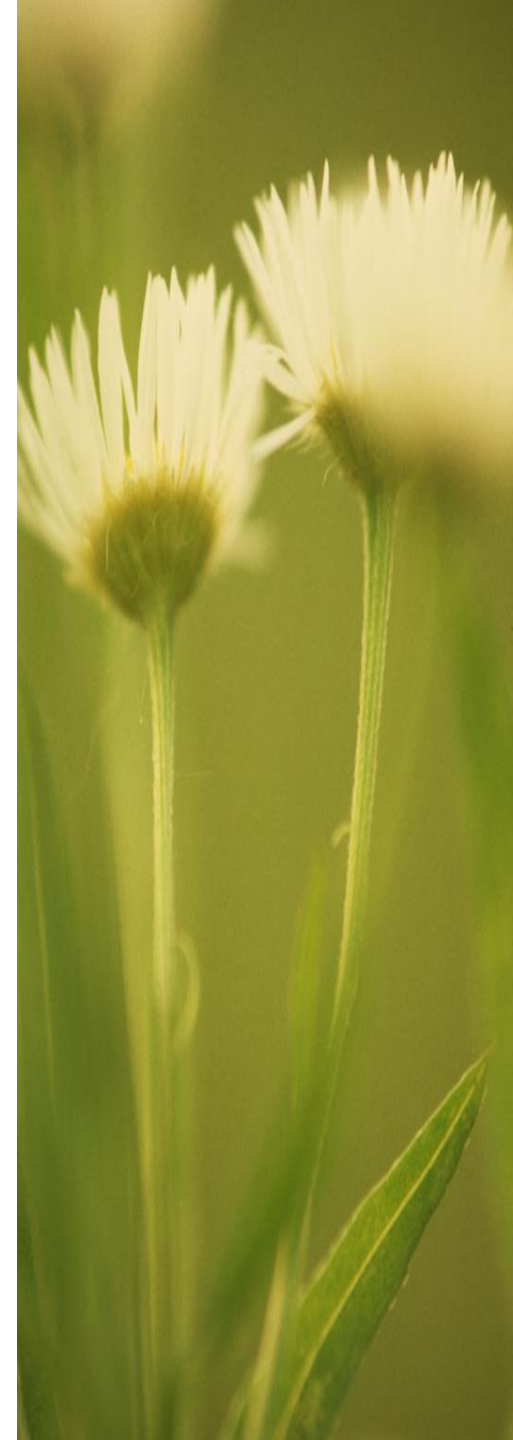
Membrane Status

Time of ROM

If AROM, by whom

Fluid Appearance

Amount of fluid



Student Charting EFM

Patient Flowsheet - EHR Tutor

https://my.ehrtutor.com/patient/58108/flowsheet/50?edit=2016-03-22%2009:07:22.345584

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Comments Show Instructions

Uterine Activity

Monitor Mode External TOCO

Frequency (every ___ minutes) 2-3

Duration (contractions last ___ secs) 40-70

Resting Tone- Palpation Fundus relaxed between contractions

Peak IUP if Internal pressure catheter in place

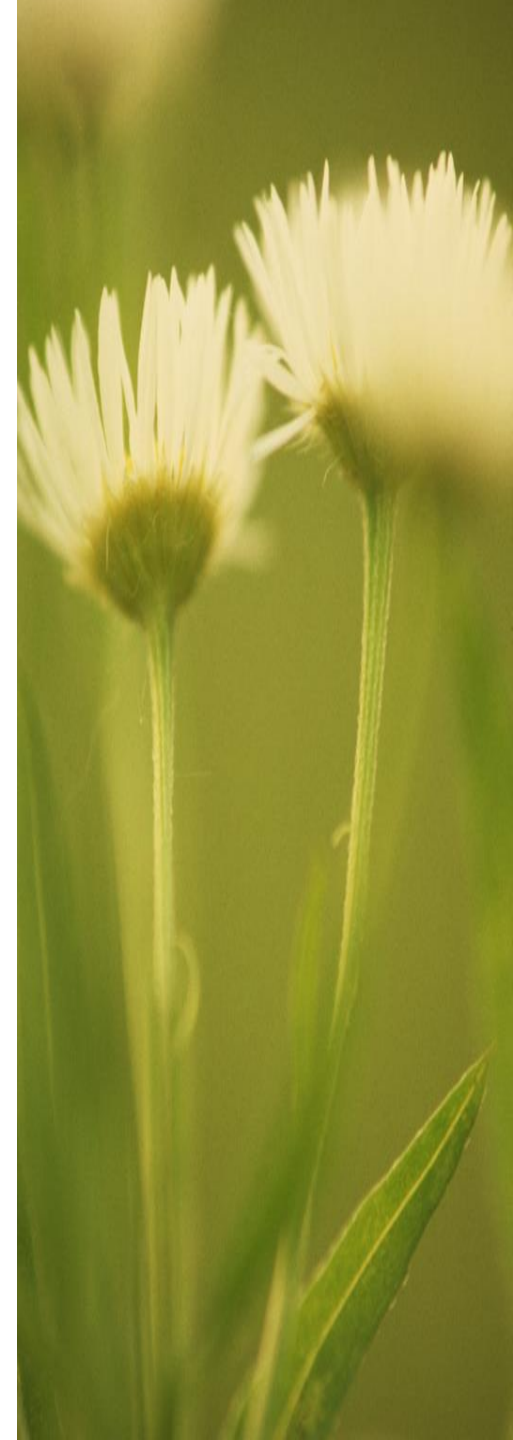
Contraction Palpation Moderate

Contraction intensity per patient

MVU (sum of the peak of each uterine contraction minus its resting tone in a 10 minute period)

Comments

javascript:void(0)



According to Gardner & Jones (2012), the biggest barrier to implementation of EHR's in nursing education.....faculty

- Unsure how to integrate into curriculum
- Unfamiliar with educational EHR's
- Cost factor
- Kahoot.it
- Gardner, C. and Jones, S. (June 2012). Utilization of academic electronic medical records in undergraduate nursing education. Online Journal of Nursing Informatics (OJNI), vol. 16 (2), Available at <http://ojni.org/issues/?p=1702>

