

Improving medical student education during the Obstetrics and Gynecology rotation at WVUSOM



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BACKGROUND:

This project aims to improve the quality of teaching and student education during the WVU OB/Gyn 3rd year medical student rotation.

Often, when students start their OBGYN rotation, they are learning a significant amount of information, which can be overwhelming.

The goal of this project is to help 3rd year medical students feel more comfortable and prepared starting their OBGYN rotation.

SMARTER OBJECTIVE:

The following aims were designed after feedback and observation, that the OB/GYN rotation can be very overwhelming for 3rd year medical students and there are few resources to easily prepare for their rotation and experience on their clerkship.

Smart Aim: We aim to improve third year medical student's reported preparedness (scale 1-10) for their OB/GYN rotation by 2 points on average over the next academic year at WVUSOM with the implementation of *A Resident's Guide to Obstetrics and Gynecology*.

Global Aim: We aim to improve medical student's overall experience, education, and knowledge during their OB/GYN rotation.

IMPROVEMENT ACTION PLAN WITH ACTIONS TAKEN

The implementation of *A Resident's Guide to Obstetrics and Gynecology,* we aimed to improve medical student's overall experience, education, and knowledge during their OB/GYN rotation.

For the first intervention, 4th year medical students, who completed their OB/GYN rotation over the past year were surveyed regarding the following topics:

- rating of how prepared they felt starting their
 Ob/Gyn rotation
- how prepared they felt for their NBME Shelf exam
- which resources they used to study, and recommended subjects they wished they learned more about during their rotation.

| | | MS: | 3 Su | irve | У | | | | | | |
|---|--|----------|--|-----------|----------|----------|-----------|----------|---------|---------|-------------------|
| On a scale of 1-10, | how pr | epared | l did yo | u feel | starting | g your | OB/GY | N rotat | ion? | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | |
| Not at all prepared | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Very prepared |
| How useful did you find A Resident's Guide to Obstetrics and Gynecology during your rotation? | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | |
| Not at all useful | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Very useful |
| At the end of your r | otation | , how p | sident's Guide to Obstetrics and Gynecology during your rotation? 3 4 5 6 7 8 9 10 O O O O O O O O Very useful ow prepared do you feel for your Ob/Gyn Shelf exam? 2 3 4 5 6 7 8 9 10 O O O O O O O O O Very prepared ty of teaching you received from residents, if applicable? 3 4 5 6 7 8 9 10 | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | |
| Not at all prepared | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Very prepared |
| How would you rate | How would you rate the quality of teaching you received from residents, if applicable? | | | | | | | | | | e? |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | |
| Very low quality | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Very high quality |
| What are 3 topics you | ı would | have lil | ked to k | now m | ore abo | out pric | or to sta | irting y | our Ob/ | 'Gyn ro | tation? |
| Which resources have | ve been | the mo | ost help | oful in s | studyin | g and p | oreparin | ng for y | our Ob | /Gyn ro | otation? |

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | |
|----------------------|---------|--------|---------|----------|--------|---------|---------|---------|----------|---------|---------------|
| Not at all prepared | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Very prepared |
| At the end of your (| Ob/Gyn | rotati | on, ho | w prep | ared d | o you f | eel for | your (| Ob/Gyr | n Shelf | Exam? |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |) |
| Not at all prepared | 0 | 0 | 0 | 0 | 0 | 0 | | |) (|) (| Very prepa |
| How would you rat | e the q | uality | of tead | ching y | ou rec | eived f | rom re | sident | s, if ap | plicab | le? |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | |
| Very low quality | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Very high qua |
| What are 3 topics | you w | ould h | ave lik | ced to | know | | about | prior t | o star | ting yo | our Ob/Gyn ro |
| Which resources w | ere the | e most | helpf | ul in st | udvina | and p | repari | na for | vour 0 | b/Gvn | rotation? |

SCALE UP PLAN:

A Resident's Guide to Obstetrics and Gynecology will continue to be provided to rotating 3rd year medical students to continue to improve quality of rotation.

SUSTAINABILITY PLAN:

Distribution of our guide has become consistent when medical students are starting their 3rd year OB/Gyn rotation. This is possibly a resource that could be brought to other institutions and distributed to their medical students, if data supports its efficacy.

LESSONS LEARNT:

It's clear that good study resources are imperative for success and confidence in the clinical setting. This allows students to be more prepared to "hit the ground running" on clinical rotations.

Simultaneously, 3rd year medical students rotating on the WVU OB/GYN service were provided the same packet of high yield OB/GYN information, *A Resident's Guide to Obstetrics and Gynecology* and surveyed for the same responses.

Additionally, 3rd years were surveyed on the packet's helpfulness and NBME score improvement.

RESULTS:

| | | AY 21-22 Shelf S | core Averages by Block (Graduating Cla | ass of 2023) | | |
|-------------|-------------|------------------|--|--------------|-------------|---------|
| Block 1 | Block 2 | Block 3 | Block 4 | Block 5 | Block 6 | Average |
| 80.18% | 80.70% | 79.71% | 82.00% | 82.13% | 86.33% | 81.84% |
| 11 students | 10 students | 7 students | 9 students | 8 students | 6 students | |
| | | AY 22-23 S | Shelf Score Averages by Block (Current I | VIS4s) | | |
| Block 1 | Block 2 | Block 3 | Block 4 | Block 5 | Block 6 | Average |
| 81.56% | 85.75% | 84.56% | 86.29% | 87.14% | 87.33% | 85.44% |
| 9 students | 12 students | 9 students | 7 students | 7 students | 6 students | |
| | | AY 23-24 S | Shelf Score Averages by Block (Current I | MS3s) | | |
| Block 1 | Block 2 | Block 3 | Block 4 | Block 5 | Block 6 | Average |
| 83.67% | 84.45% | 85.45% | 81.82% | 82.83% | TBD 4/22/24 | 83.64% |
| 9 students | 11 students | 11 students | 11 students(1 fail) | 6 students | 9 students | |

Table 1. Medical Student NBME results. ANOVA p-value results.

AY 21-22 vs AY 2223

AY 21-22 vs AY 2324

AY 22-23 vs AY 2324

p-value 0.03
p-value 0.42