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| **2015 Women for ATSU Awards Application** |
| **Timestamp** | 3/16/2015 11:01:14 |
| **PROJECT TITLE** | OB Ultrasound Simulator |
| **DETAILED PROJECT BUDGET** | Sonomom System- $6950Sonomom 1st trimester Module- $1950Total: $8900 |
| **MINIMUM FUNDING REQUESTED** | Sonomom System- $6950 |
| **FUNDING REQUEST** | $8,900 |
| **PROJECT DESCRIPTION** | Ultrasound is becoming more and more important in today's healthcare environment. Clinicians in primary care, emergency medicine and surgery are beginning to be required to be able to perform and interpret ultrasounds without the immediate help of specialized ultrasound techs and radiologists. To be on the leading edge of these advancements, the PA program is gearing up to include more ultrasound training in our curriculum. We purchased 4 general portable ultrasound machines last year. A very common need for ultrasound occurs in pregnant patients. These patients are difficult to find to utilize for practice as we have 70 students and although ultrasounds emits no radiation (like x-ray) we have concerns for the health, comfort and privacy of a mother and baby with the necessary repeated constant practice. Therefore, we need a high-fidelity simulator that can be used over and over to practice abdominal and trans-vaginal ultrasound. The SonoMom system is just such a simulator. It comes with the mannequin, ultrasound probes and special software that simulates pregnancy from 6 weeks to 40 weeks gestation- both normal and abnormal conditions. The additional 1st trimester module would be useful to include more abnormalities that occur earlier in pregnancy- a time when many PA students may be using ultrasound to evaluate early complications such as miscarriage. The Women for ATSU have a history of helping the PA program in its quest to provide high-fidelity simulation of women's health conditions, with funding in the past for a childbirth simulator (Noelle), and last year with funding for trauma simulation limbs. We appreciate any additional assistance you can provide. More information can be found at: http://www.simulab.com/product/ultrasound-trainers/sonomom-system |
| **EXPECTED OUTCOMES** | 1) Increased ability for OB ultrasound to be taught in curriculum2) Increased ability for students to practice OB ultrasound over and over without having to be concerned for health of actual standardized patient3) Increased familiarity and ability of PA students to be able to perform and interpret OB ultrasounds in their clinical year studies and later as practicing clinicians4) Ultimately, increased availability of this crucial diagnostic technology in primary health clinics, urgent care centers and emergency departments, where patients can get point-of-care testing rather than having to make another appointment with an imaging center. |
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