



2021 LEAD Capstone Poster Session

**Pelvic Floor Disorders Registry: A
Tool to Advance Clinical and
Translational Research**

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Abstract

Problem - Study subject recruitment for pelvic floor disorders can be difficult. Recruitment during clinical visits is challenging due to both time constraints and the need to explain complex pelvic floor disorders in simple terms to potential subjects. Requesting charts by diagnosis in order to approach prospective study participants is a time-consuming process and requires screening out of potentially inaccurate diagnoses.

Action – Patient registries have been successfully used in other specialties, facilitating subject recruitment and research endeavors. Thus, here I propose the creation of a pelvic floor disorders research registry. A voluntary screening and enrollment form will be provided to patients upon check-in to obtain agreement to participate and preferred contact method. Patient data will be entered using a standardized form in Epic and the data will automatically be transferred to a RedCap database. In order to accomplish this registry, a research coordinator is needed to oversee the database, maintain it up to date, and clean as necessary.

Results – A pelvic floor disorders research registry will result in increased recruitment of study subjects at UTSW for both local and multi-center studies, which is likely to translate into increased research productivity and funding.



Objectives

- Develop an EMR tool specific to pelvic floor disorders and export data to an online database (RedCap)
- Use the data to develop a pelvic floor disorders registry that can be used to
 - Improve patient recruitment for pelvic floor disorders research studies
 - Develop quality improvement initiatives
 - Increase trainee research participation



Background Information

- Pelvic floor disorders are prevalent in our population and can negatively impact a woman's quality of life
- Clinical registries are a powerful tool
 - Increase in clinical research – retrospective studies, longitudinal follow up and database of patients that are willing to participate in future research studies
 - Quality improvement
 - Guideline development
- Exploit UTSW ability to integrate EMR and a secure online database
 - Decreased data entry errors



Specific Aims

- Develop a pelvic floor disorders registry by automatically exporting data from Epic to RedCap
- Maintain a database of patients willing to participate in future research studies
- Collect longitudinal data related to the diagnosis and treatment of pelvic floor disorders



Project Plan

Standardized clinic visit history and physical data collection tool

Enable data exportation from Epic to RedCap

Maintain pelvic floor disorders registry

- Study recruitment
- Quality improvement
- Trainee research



Application of What You Learned at LEAD

- Identification of a problem and systematic approach to a solution
 - PAR
- Effective communication to engage stakeholders
 - “What’s in it for me?”
- Collaboration and Networking
 - Leveraging UTSW resources to improve clinical research and patient care



Proposed Budget

- Standardized history and physical collection – no cost
- Epic and RedCap integration – no cost
- Staff training (physicians, APPs, nurses, front desk) – 1 hour lunch meeting (\$500)
- Research coordinator for data monitoring and clean up - FTE 20 (\$15,632.20)



Innovation and Significance

- **Innovation**

- Standardized data collection tool with automatic exportation of data to RedCap

- **Significance**

- Improve patient recruitment for future studies
- Maintain quality measures
- Opportunity to add biospecimens
- If successful can be implemented in other specialties



References

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