

# Developing a Powerpoint that Educates Incoming Staff and Interns about the Cath Lab Department : Highlighting the Significance and Impacts of TAVR Procedure For Patients

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## Introduction

The Stamford Hospital Cath Lab is a space where cardiac procedures and tests such as ablation, angiogram, angioplasty, TAVRs, and implantation of pacemakers and ICDs are done daily. The laboratory employs multiple healthcare specialists that include, cardiologists, registered nurses, nurse anesthetists, and radiology technologists.



## Objectives

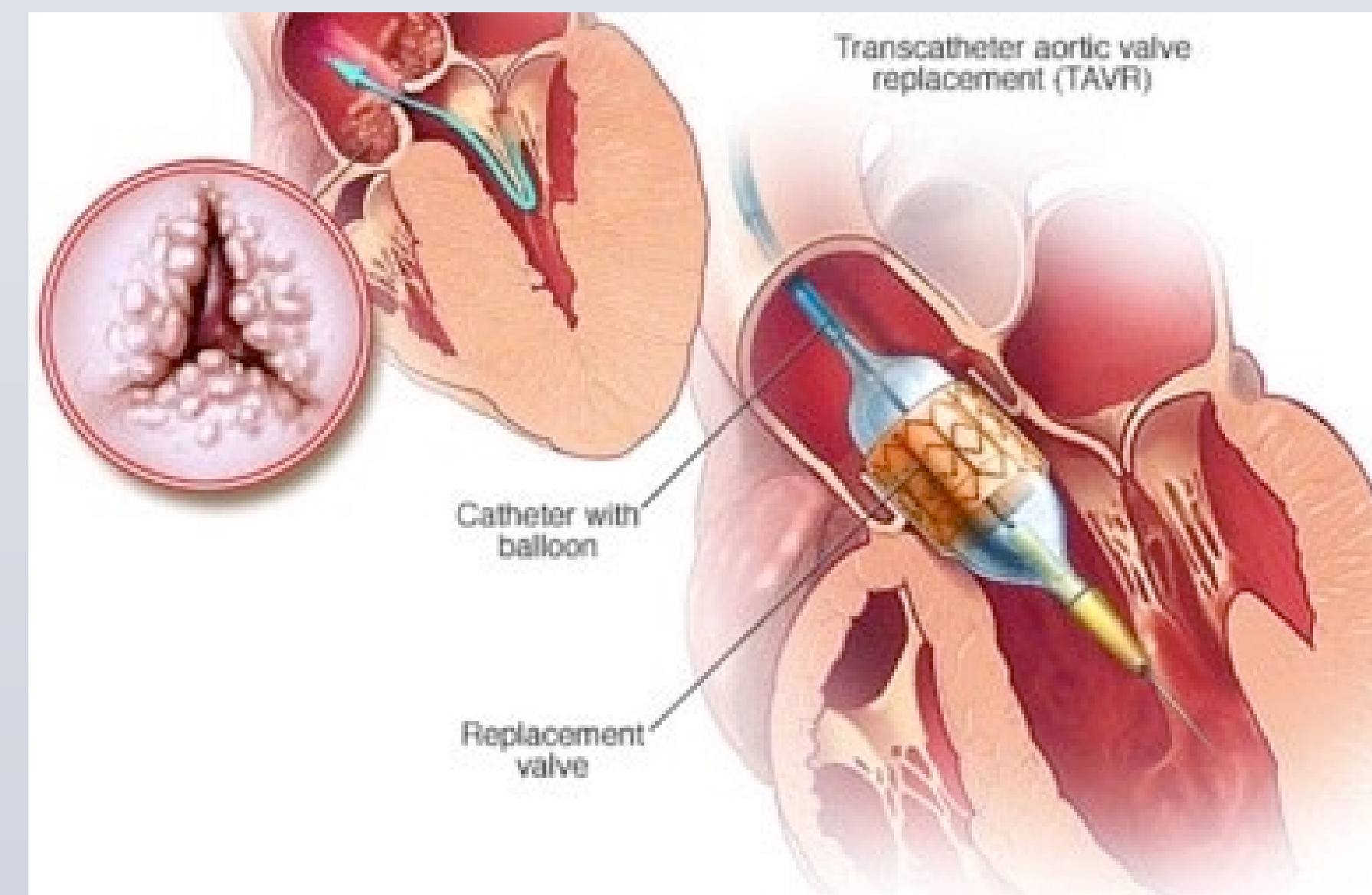
- To effectively educate incoming staff and interns in the cath lab department about transcatheter aortic valve replacement procedures in a powerpoint presentation
- To inform new interns and staff about TAVR procedures so that they are aware of the complexity of this procedure
- To emphasize the significance of TAVR procedures to patients

## Background Information

- TAVR is a procedure that allows a cardiac surgeon to visualize the heart and its functioning during a heart valve replacement
- A new heart valve replacement can last ten to twenty years since it is made up of biological tissue
- The procedure helps to restore blood flow and reduce the risk of aortic valve stenosis
- The main population of patients who are at risk for this procedure is those who suffer from heart failure and lung disease
- Common interventions after this procedure include blood thinning medications and attendance at rehabilitation centers

## Methods

- Presenting information in a powerpoint form to educate new interns and staff about transcatheter aortic valve replacement procedures
- Collecting unit data on patients from these procedures and forming it into bar graphs in the powerpoint
- Explaining why this procedure is so vital to the healthcare industry and those working in the cath lab department
- Having the current staff at the cath lab site review the powerpoint and provide feedback for revisions



## Results

- Feedback from staff at the Cath Lab site regarding the powerpoint:
  - The information in the slides was well developed and specific
  - Include a slide that discusses risk factors of TAVR procedures
  - Add pictures of the actual cath lab site and staff in the slides
  - Great to use data from the lab as evidence to support details on the topic
  - The overall information will be useful for those who are interested in this career and starting work in the unit



## Conclusions

The key significance of TAVR procedures from this site is to have incoming staff and interns have awareness of how complex these procedures can be, due to the fact they require replacing a new heart valve. Additionally, the leading cause of death in the world is heart disease and these TAVR procedures typically target the older adult population. Therefore, it is vital that patients maintain a healthy lifestyle and manage cardiac risk factors. Those that are professionals in the healthcare industry should have adequate knowledge of heart disease as it will likely affect many of their patients.

## References

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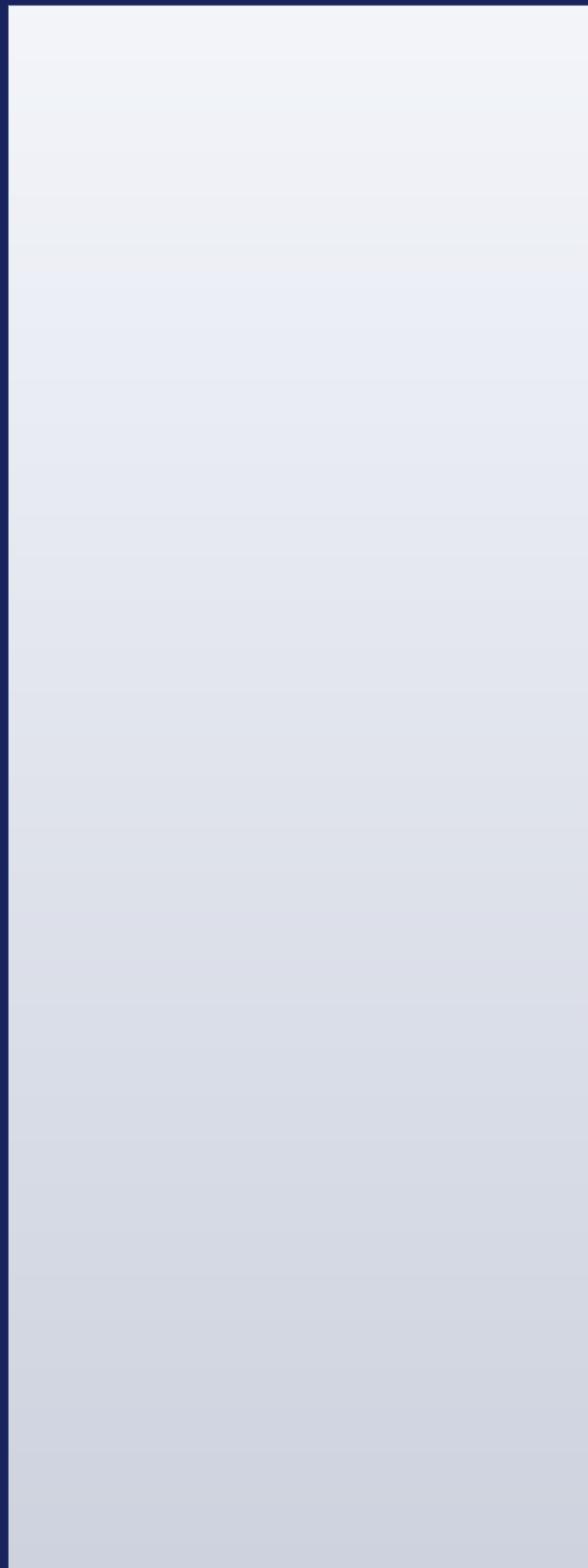
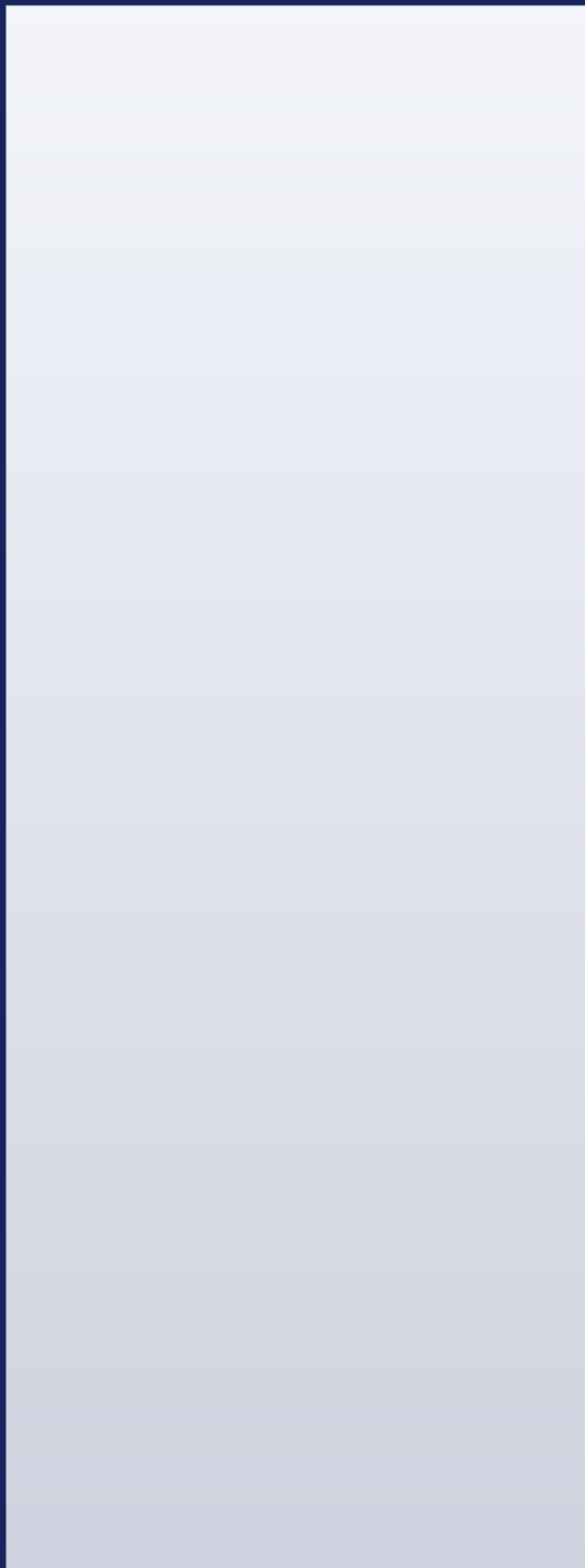
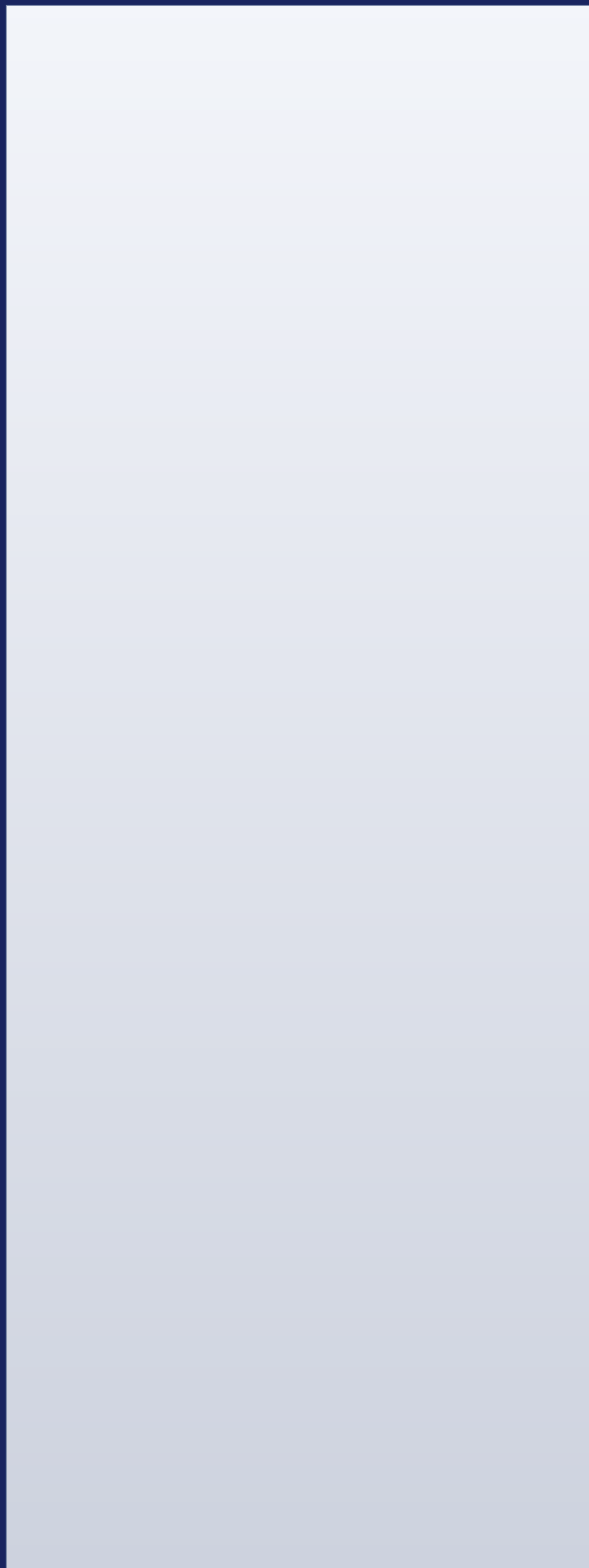
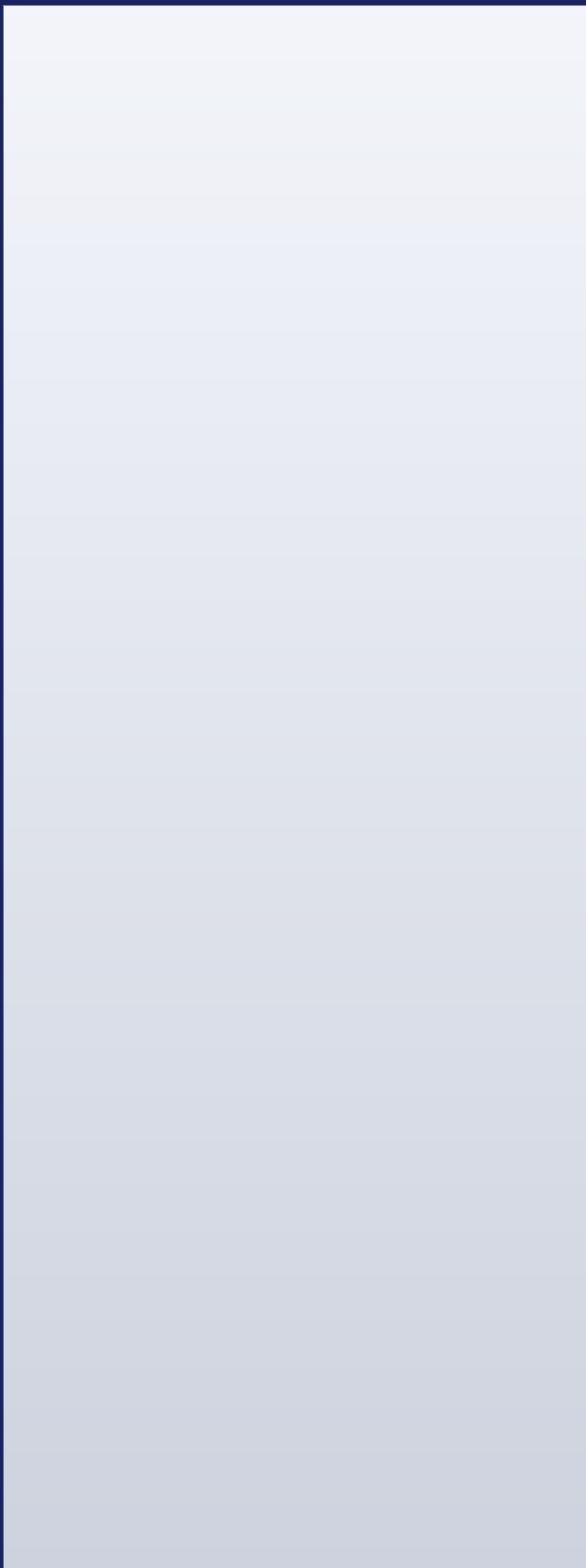
*Cath Lab*. Stamford Health. (2022, June 12). Retrieved June 12, 2022, from <https://www.stamfordhealth.org/locations/locations-profile/stamford-health--cath-lab/>

## Acknowledgements

After completing this internship at the Stamford Hospital Cath Lab, I am very thankful and appreciative of my site supervisor giving me the opportunity to study and learn about a profession I am determined to pursue. I am also grateful for the staff that were a part of that lab since they all gave me great advice and analysis of working in the cath lab and the real-life influences that come with it. Lastly, everything that I learned from this site has instilled skills and knowledge that I will carry with me to be successful in this field.



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