

#### ABSTRACT

A thrombotic episode can put severe financial strain on a Thrombosis has a non-discriminatory clause and can Thrombosis is a life-changing and serious condition that family depending on who the primary earner is. happen to anyone, irrespective of age, gender, race or affects millions of people every year. Unfortunately, Caregivers of the affected person often experience significant nationality. thrombosis can not be undone and there are several strain, which has a negative effect on the overall mental and challenges associated with this condition. Once a diagnosis It is imperative for everyone to be able to predict the future physical health of the family. has been made, the path to living life after a thrombotic risk of thrombosis. episode begins. Luckily, there are a multitude of methods to Both the patient and caregiver are required to know how new There are several methods of predicting your risk for prevent the initial thrombotic episode from occurring. There medications, typically anticoagulants, must be administered thrombosis: The Caprini Score and the HEART Score are also several effective management strategies and for optimal effectiveness, thereby needing additional time and precautions that are available. The Caprini Score and the knowledge. HEART Score are excellent and reliable tools that provide The high cost of medications also tends to put a big hole in accurate risk assessments. In this research, we discuss the **CAPRINI SCORE** the pocket. changes in life after thrombosis, their prevention and management.

#### INTRODUCTION

- Blood clots can be very dangerous and life threatening, however, with appropriate precautions and management techniques survival is probable.
- Unfortunately, thrombosis is a one way street, and undoing The CDC predicts that the average cost for management of a of thrombosis is not possible. blood clot is between \$15,000 to \$20,000.
- Life after thrombosis tends to be very challenging, and one must take care of the condition.
- There are several contributing factors to thrombosis that can be easily managed.
- In this research we will provide a summary of what life looks like after thrombosis.
- We will also discuss the challenges, management, predicting techniques, and prevention of thrombosis.

# BACKGROUND

- A blood clot is a cluster of blood that has formed into a solid like state and impedes blood flow.
- Deep Vein Thrombosis (DVT) is when a clot is formed in the deep veins of the legs.
- Pulmonary Embolism (PE) is when the clot breaks off and travels to the blood vessels in the lungs.
- In Myocardial Infarction (MI), blood clots get lodged in the coronary arteries.
- In Stroke, blood clots get lodged in the cerebral vessels.
- It should be noted that one blood clot is formed every minute, and one death appears due to a blood clot every 6 minutes!
- The incidence of deaths due to blood clots is higher than the total caused by AIDS, breast cancer, and traffic accidents.
- It is unfortunate that this point has not been recognized by the community!

# LIFE AFTER THROMBOSIS

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CHALLENGES DURING	3
THROMBOSIS	

#### **IS UNDOING THROMBOSIS POSSIBLE?**

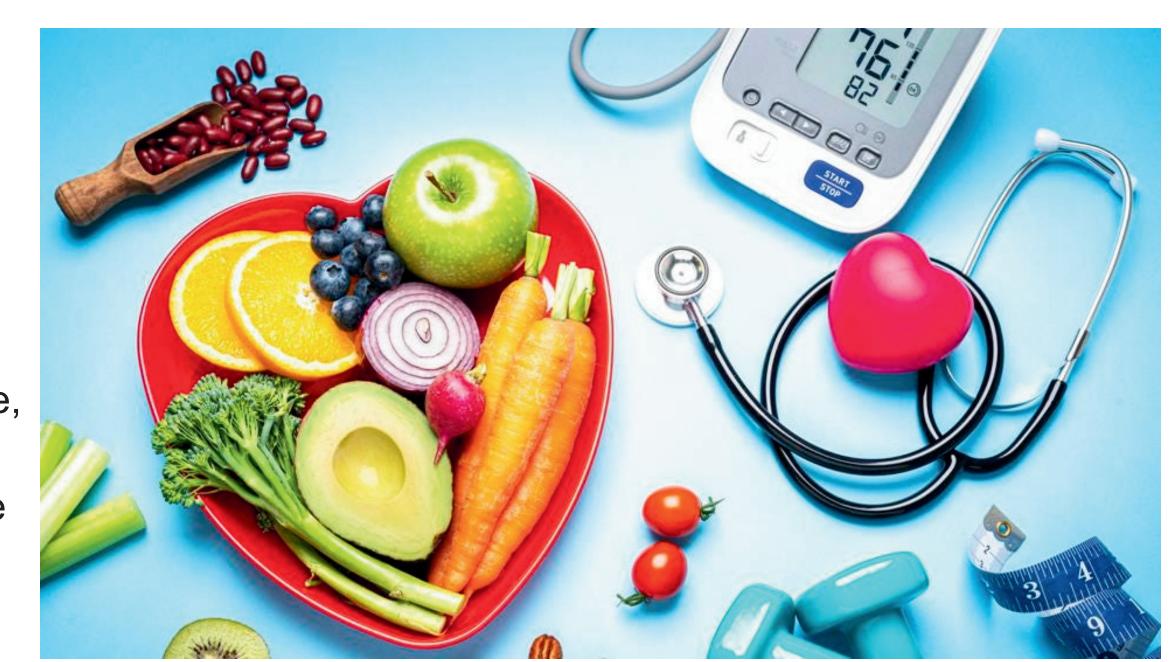
- The score includes 20 various categories and an associated Having a previous blood clot is one of the largest risk factors number of points for each category. Higher score indicates for clot recurrence. more risk.
- According to statistics, 3 in 10 people who have a blood clot have another in 10 years.
- Initial clot prevention and post-clot management techniques are the key in thrombosis prevention.

CAUSES AND MANAGEMENT OF

THROMBOSIS

#### High blood pressure.

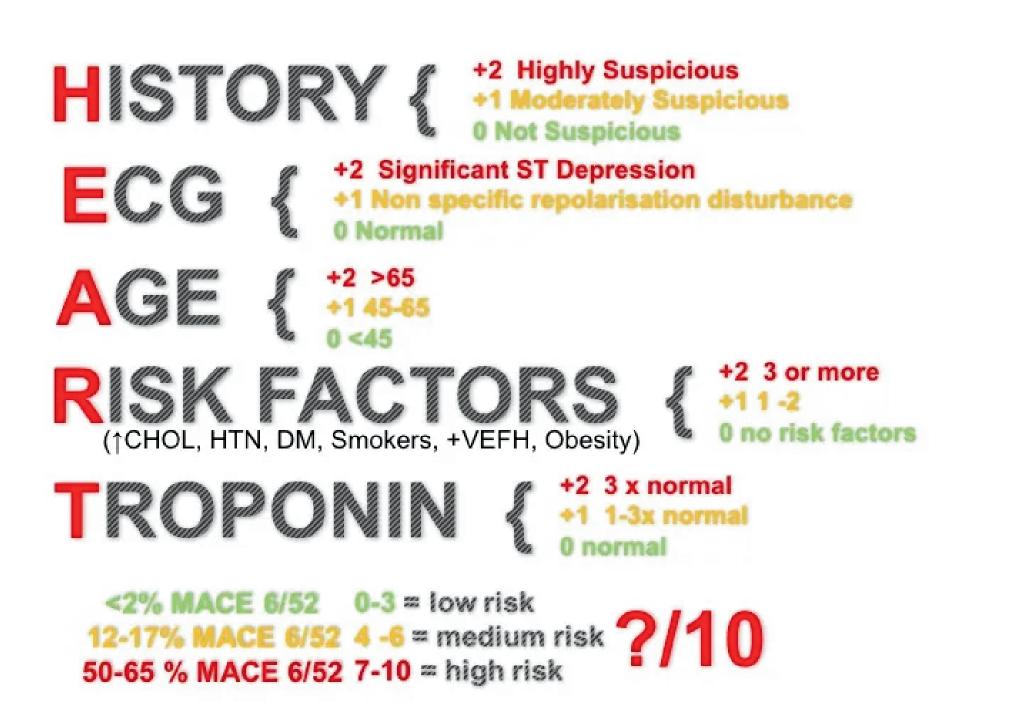
- Unhealthy diet consisting of consumption of food with high fat content.
- Diet high in sodium and/or cholesterol.
- Old Age.
- Sedentary Lifestyle.
- Use of tobacco or smoking in any form.
- Use of oral contraceptives in females.



# **PREDICTION OF FUTURE THROMBOSIS RISK**

- The Caprini Score is an easy and accurate way to predict your risk of having venous thromboembolism (VTE).
- This score is commonly used prior to surgical procedures to determine VTE risk post procedure or if a patient will be on extended bed rest.
- Both individuals and their providers are able to take this score.

# HEART SCORE (History, ECG, Age, **Risk factors, and Troponin)**



- The HEART score identifies patients with a high risk of having a Major Adverse Cardiac Event (MACE).
- Older age increases the chances of having a MACE.
- Several MACE related risk factors are taken into consideration in the HEART score.
- Troponin levels are also checked to determine if an elevation is present.

### **SUMMARY & CONCLUSIONS**

Life after thrombosis can be difficult for both patients and family members.

- Once a thrombotic episode has occurred it cannot be undone.
- Prevention and a very careful management are the key efforts that need to be stressed when discussing life after thrombosis.
- Use of risk assessment tools such as the Caprini Score and HEART Score are imperative.
- We emphasize the use of Caprini score as a very simple tool to assess the predictability of thrombotic events.
- One should never forget the very high incidence of thrombosis and the negative impact on a patient's life, the life of the family, and the financial burden on the country.

### **FUTURE DIRECTIONS**

In the future we would like to compare and contrast a wide variety of heart disease and VTE scores and determine the benefits of each one.

# ACKNOWLEDGEMENTS

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