

## Hypotensive Shock Related to Heart: Brief Note

Munehiro Yoshi\*

Department of Cardiovascular Systems, University of Groningen, Groningen, The Netherlands

### DESCRIPTION

Hypotensive shock is a serious medical condition that occurs when the body's blood pressure critically drops to low levels. This can lead to a lack of oxygen and nutrients to vital organs, including the heart, and can result in damage or failure of these organs. One of the most common causes of hypotensive shock related to the heart is a heart attack. During a heart attack, blood flow to the heart is blocked, which can cause damage to the heart muscle and a drop in the blood pressure. This drop in blood pressure can lead to hypotensive shock if not treated promptly.

### Causes

**Cardiomyopathy:** This is a condition in which the heart muscle becomes weakened and is unable to pump blood effectively. This can lead to a drop in blood pressure and hypotensive shock.

**Arrhythmia:** An arrhythmia is an abnormal heart rhythm that can cause the heart to beat too fast, too slow, or irregularly. This can lead to a drop in blood pressure and hypotensive shock.

**Valvular heart disease:** Valvular heart disease is a condition in which the heart's valves become damaged or diseased, which can cause a drop in blood pressure and hypotensive shock.

**Pulmonary embolism:** A pulmonary embolism is a blood clot that forms in the lungs and can cause a drop in blood pressure and hypotensive shock.

Symptoms of hypotensive shock related to the heart may include, rapid heartbeat, breathlessness, cold, sweaty skin, disorientation, dizziness or light headedness, nausea or vomiting and loss of consciousness. If the person experiences any of these symptoms, it is important to seek medical attention immediately.

Treatment for hypotensive shock related to the heart may involve a combination of medications and medical procedures.

Medications such as epinephrine and norepinephrine may be used to increase blood pressure and improve blood flow to vital organs. Oxygen therapy may also be used to ensure that the body receives enough oxygen. In more severe cases of hypotensive shock, medical procedures such as fluid resuscitation or surgery may be necessary. Fluid resuscitation involves administering fluids intravenously to help increase in blood volume and improve blood pressure. Surgery may be necessary to address underlying conditions such as valvular heart disease or a pulmonary embolism.

Preventing hypotensive shock related to the heart involves managing the risk factors for heart disease and seeking prompt medical attention if the person experiences any symptoms of a heart attack or other cardiac event. This includes: Maintaining a healthy weight, eating a healthy diet, exercising regularly, managing the high blood pressure and cholesterol levels, quitting smoking.

If the person have been diagnosed with a heart condition, it is important to be treated closely by the doctor to manage the condition and reduce the risk of hypotensive shock. This may involve taking medications as prescribed, undergoing medical procedures as recommended, and making lifestyle changes to improve the overall health and well-being.

### CONCLUSION

In summary, the hypotensive shock related to the heart is a serious medical condition that requires a prompt medical attention. It can be caused by a variety of conditions, including heart attack, cardiomyopathy, arrhythmia, valvular heart disease, and pulmonary embolism. Symptoms may include rapid arrhythmia, shallow breathing, cold and clammy skin. Treatment may involve a combination of medications and medical procedures, and prevention involves managing the risk factors for heart disease.

**Correspondence to:** Munehiro Yoshi, Department of Cardiovascular Systems, University of Groningen, Groningen, The Netherlands, E-mail: munihero@45gmail.com

**Received:** 08-Feb-2023; **Manuscript No.** AOA-23-22823; **Editor assigned:** 10-Feb-2023; **PreQC.** No. AOA-23-22823 (PQ); **Reviewed:** 24-Feb-2023; **QC.** No. AOA-23-22823; **Revised:** 03-Mar-2023; **Manuscript No.** AOA-23-22823 (R); **Published:** 10-Mar-2023, DOI: 10.35248/2329-9495.23.11.333

**Citation:** Yoshi M (2023) Hypotensive Shock Related to Heart: Brief Note. Angiol Open Access. 11:333.

**Copyright:** © 2023 Yoshi M. This is an open-access article distributed under the terms of the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.