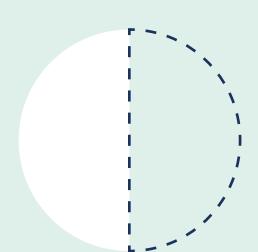
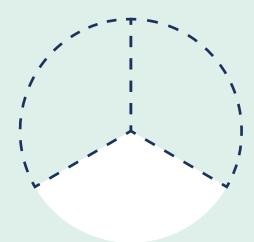
CARDIOVASCULAR DISEASE:

The Silent Killer of **Hemodialysis Patients**

There is an epidemic among patients with end-stage renal disease (ESRD). It is a cunning killer, quietly slipping in and taking your patients' lives.



CVD is responsible for half of deaths among ESRD patients



1/3

CVD is responsible for a third of hospitalizations among ESRD patients



Cardiovascular disease (CVD)

is the leading cause of morbidity and mortality in patients with ESRD



Major Cause of Complications

CVD is a major cause of complications during hemodialysis treatments

3(0)X

In ESRD patients, CVD mortality rates are approximately 30 times higher than those of the general population



In adolescent ESRD patients, CVD mortality rates are approximately 1,000 times higher than those of their peers



of deaths occur within the first 12 hours from the beginning of the dialysis session



27%

of these deaths occur during dialysis



33%

occur in the first hour after dialysis

Arteriovenous (AV) Access is an often overlooked source of cardiac dysfunction



Access flow that exceeds 25% of cardiac

output indicates a potential cardiac problem

20% Decrease

Cardiac output decreases an average of 20% during hemodialysis treatment, causing less blood flow to be available to sustain the vital bodily functions.

Thorough Cardiac Assessment should be performed in patients prior to

placing an arteriovenous fistula (AVF) as well as during treatment to monitor the patient's cardiovascular status.

Ultrasound dilution methodology Provides a way for hemodialysis professionals

to recognize and forestall the devastating consequences of CVD





Source: Better Hemodialysis Patient Care Through Cardiac Function Assessment

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