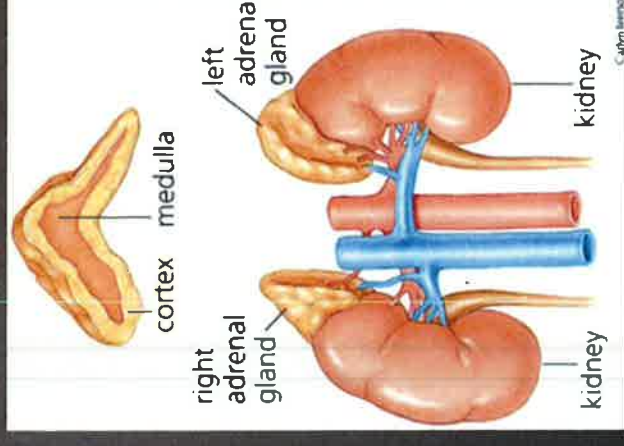


What is Adrenal Insufficiency?



A medical condition in which the adrenal glands can not produce enough glucocorticoids and mineralocorticoids to respond to stressors such as illness and injury on its own.



***Studies indicate that 84,000 Oregonians could have adrenal insufficiency.**

What does it mean in an Emergency?

The body systems of an individual experiencing an adrenal crisis will start to shut down without immediate and proper treatment. Coma, organ failure, cardiac arrest and death can occur in 30 minutes or less.

*Recognition and treatment of adrenal insufficiency can reduce mortality by almost 50%.



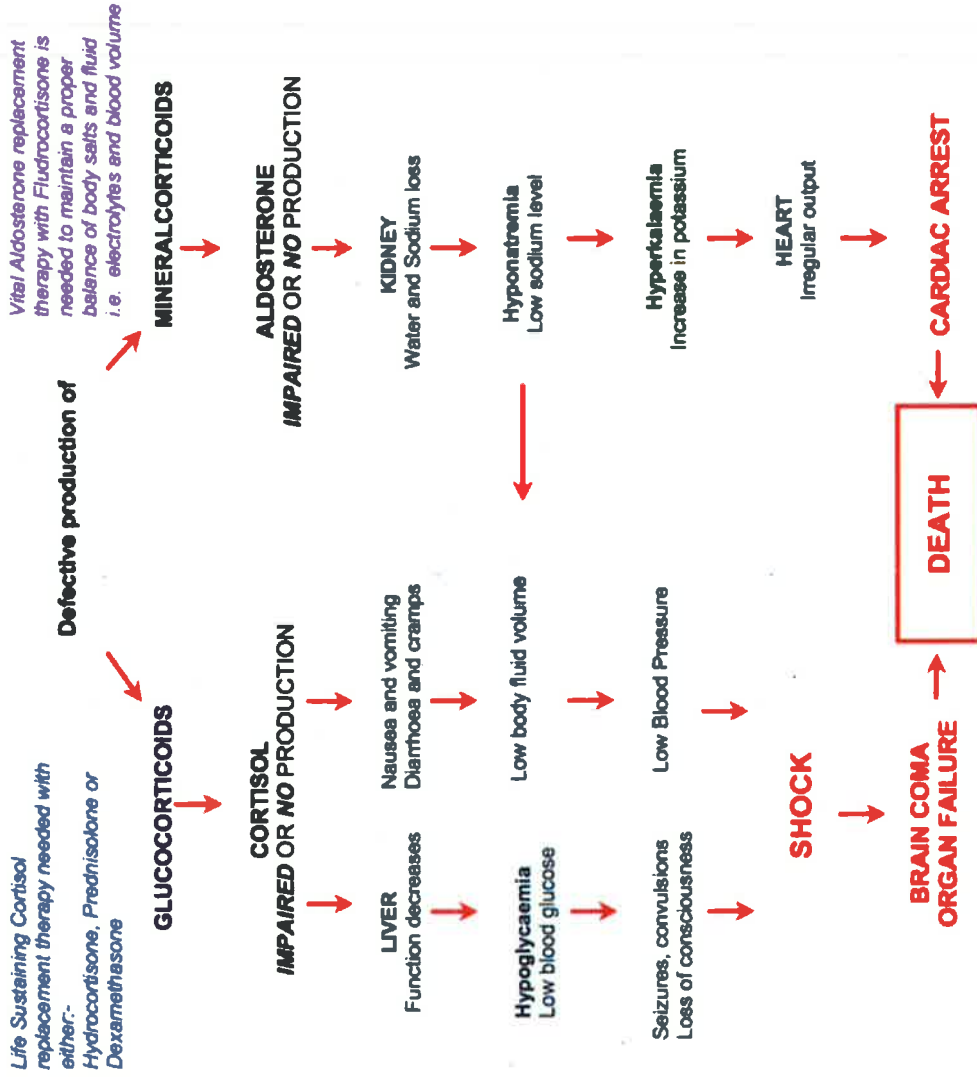
Scarlett before and after her adrenal crisis. The injection given by her mother saved her life.



ADRENAL INSUFFICIENCY

by: Professor Peter Hindmarsh

ADRENAL CRISIS - PATHWAY OF EVENTS



Does a delay always mean death?

No, however survey's done by AIU indicate that over 50% of those who do not receive their injection within 30 minutes are admitted to the hospital for one or more days. Some take over a month to fully recover, others become permanently disabled.



What is the treatment?

Glucocorticoids and mineralocorticoids must be administered.

***Hydrocortisone or cortisone is the drug of choice, because it has both glucocorticoids and mineralocorticoids.**

The injection starts working in 15 minutes so the sooner it's given the faster the patient will start to stabilize and improve.

See the letters of support written by more than 6 endocrinologists to support this statement.



How will AI be identified?



Emergency personnel should look for medical IDs, listen to the patient, family members or friends. Magnets, car decals and stickers are also used by those with adrenal insufficiency to help identify themselves.

***The most common cause of secondary AI is prior steroid use so all patients should be asked if they are taking steroids.**

What if the drug is given to someone in error?

Solu-Cortef® (hydrocortisone) is the bio-equivalent to Cortisol, a hormone the body makes naturally. Those with adrenal insufficiency do not make enough Cortisol to maintain life. If a dose is given to someone with adrenal insufficiency it will do no harm.

See the letters of support written by more than 6 endocrinologists to support this statement.



Why should training be required?

AIU conducted a survey of over 250 individuals with adrenal insufficiency.

Survey results indicated that:

An injection or IV to treat an adrenal crisis has been needed one or more times by **75%** of respondents.

In **75%** of reported cases first responders had no knowledge of AI.

In **50%** of the visits to the ER, physicians and nurses had no knowledge of AI.

The injection or IV was given within 30 minutes in **only 12%** of the reported cases.



Why should training be required?

Adrenal Insufficiency is more common than you realize.

***Secondary adrenal insufficiency has been demonstrated in 31 % of patients admitted to a critical care unit.**

Training can save lives! In Durham, NC 7 cases of AI have been identified and treated since training events were first held in October.



What is the fiscal impact?

Here's where it gets good!

Cost of one vial of Solu-Cortef® = about \$10.00

Number of ambulances (both air and ground) in Oregon - 6

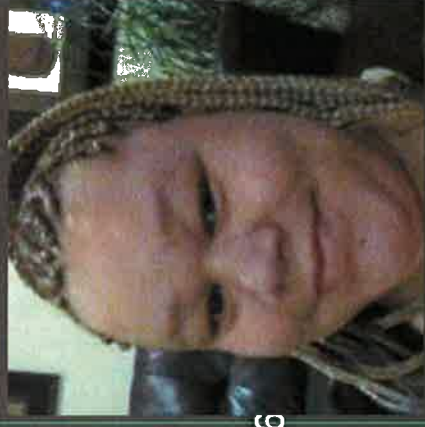
Initial cost of Solu-Cortef® = \$6,140.00

Cost to develop training for EMS and ER personnel = **FREE** (AIU has contracted with the National College of Technical Instruction and the training is complete.)

A day spent as an inpatient at an American hospital costs on average \$4,287.

The most expensive hospitals charge more than \$12,500 a day. In our survey of over 250 individuals **50% of those given the injection did not need to spend more than 12 hours in the hospital.**

Giving the injection saves LIVES and money!!!



These states and regions have protocols to keep their citizens with adrenal insufficiency safe.

What's Oregon's excuse not to join them?

Alabama

Arizona

Colorado

Maine

Maryland

Massachusetts

Montana

New Hampshire

New Jersey

Pennsylvania

Rhode Island

Vermont

Wyoming (draft form)

New York Nassau County

New York Western Region

North Carolina Durham

Oregon Clatsop County

Tennessee Knox County, Sevier County,

Rutherford County, Life Star East TN

Texas Austin/Travis EMS

Texas FisherCounty

Texas Western Region

Washington DC

Washington South Pacific County



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