Briton Detected Disease in 1855: First to Link Ailment to Adrenals

The discovery of Addison's disease in 1855 by an eminent efficiency. British physician has been described as "one of the most brilliant achievements of medicine in the 19th century."

Until Dr. Thomas Addison of London described the disease, the adrenals, tiny yellow glands sitting atop the kidneys, were not known to be the seat of any definite disease.

The affliction is extremely rare. It is estimated that fewer than 1,000 Americans suffer from the ailment, which occurs about equally in both sexes and in all age groups.

Addison's disease, as originally described by Dr. Addison, resulted from tuberculosis that destroyed the glands. But it is now known that about three-quarters of the cases result from the atrophy of the glands for unknown reasons.

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When the glands shrink, their normal secretion of three hormones called aldosterone, hydrocortisone and de-oxycorticosterone may be either sharply reduced or stopped entirely.

These hormones are essential to life. Various fractions maintain the physiological staady states" in regulation of the distribution of water and electrolytes and in many aspects of carbohydrate medical to stop working he would soon die of uremic poisoning.