- **Resistance Phase=** this is stage is lagged by 20-30 mins for the production of glucocorticoids •
- Exhaustion Phase= this is the eventual breakdown of homeostatic regulation and the • starting of disease onset.

Causes of Excess Glucocorticoids

- Excess corticotrophin releasing factor is released from the hypothalamus •
- Enlargement (hyperplasia) of the adrenal cortex
- Excess production of adrenocorticotrophic hormone
- Certain tumours can also secrete corticotrophins such as pancreatic tumours
- Long-term treatment of steroids for example can cause it.

Cushing's Disease

This is the name given to the disease which is characterised by an overactive adrenal gland

Symptoms

- Weight gain •
- Fatigue
- Hypertension
- Thin arms and legs
- Purple skin stretch marks
- Psychiatric problems

Treatment

- Gland irradiation •
- otesale.co.uk This is the process of attacking v th
- Surgery
 - pilat ral adrenalectomy (removal of both glands) Remo
- his is a corticostero d antagonist

Addisons' Disease

This disease is characterised by the under-activity of the adrenal glands. Very rare

Symptoms

- Hypoglycaemia and fatigue •
- Hypotension
- Weight loss
- Skin hyperpigmentation

Treatment

- Hormone Replacement Therapy •
 - Hydrocortisone (glucocorticoid) side effects include diabetes and heart disease
 - Fludrocortisone (mineralocorticoid) side effects are hypertension.