# Perioperative Steroid Algorithm for Patients with Addison's Disease

**Periop Adrenal Failure Algorithm**

Patient needing perioperative steroids

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Identify **Level** of Surgical Stress

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## Minor

- Procedure under **Local Anaesthetic** ( e.g. inguinal hernia repair )
- **Endoscopy** Upper GI Endoscopy
- **Endoscopy with laxatives** Colonoscopy

Take usual morning steroid dose **No extra steroids needed** Take extra dose if develops hypoadrenal symptoms

Take usual morning steroid dose <u>Before procedure</u> **100 mg hydrocortisone just before procedure** Double dose of oral medication for 24 hours

Take usual morning steroid dose <u>Before Procedure</u> Hospital admission overnight with **50 mg Hydrocortisone** during purgation **100 mg hydrocortisone** Double dose oral medication for 24 hours

## Major = Short Recovery

Procedure under **General Anaesthetic** ( e.g. lower limb revascularisation, total hip replacement )

Take usual morning steroid dose <u>Before Procedure</u> **100 mg i.v. hydrocortisone** <u>During Procedure</u> **continuous i.v. infusion of 200 mg for 24 hours** <u>Post-op</u> **continuous i.v. infusion of 200 mg for 24 hours** OR 100 mg i.v. qds until can eat and drink then double oral dose for **24 - 48 hours** then return to normal dose

## Major = Long Recovery

Procedure under **General Anaesthetic ( ITU )** ( e.g. open heart surgery, gastrointestinal surgery )

Take usual morning steroid dose <u>Before Procedure</u> **100 mg i.v. hydrocortisone** <u>During Procedure</u> **continuous i.v. infusion of 200 mg for 24 hours** <u>Post-op</u> **continuous i.v. infusion of 200 mg for 24 hours** OR 100 mg i.v. qds until can eat and drink then double oral dose for **48 hours plus** then return to normal dose