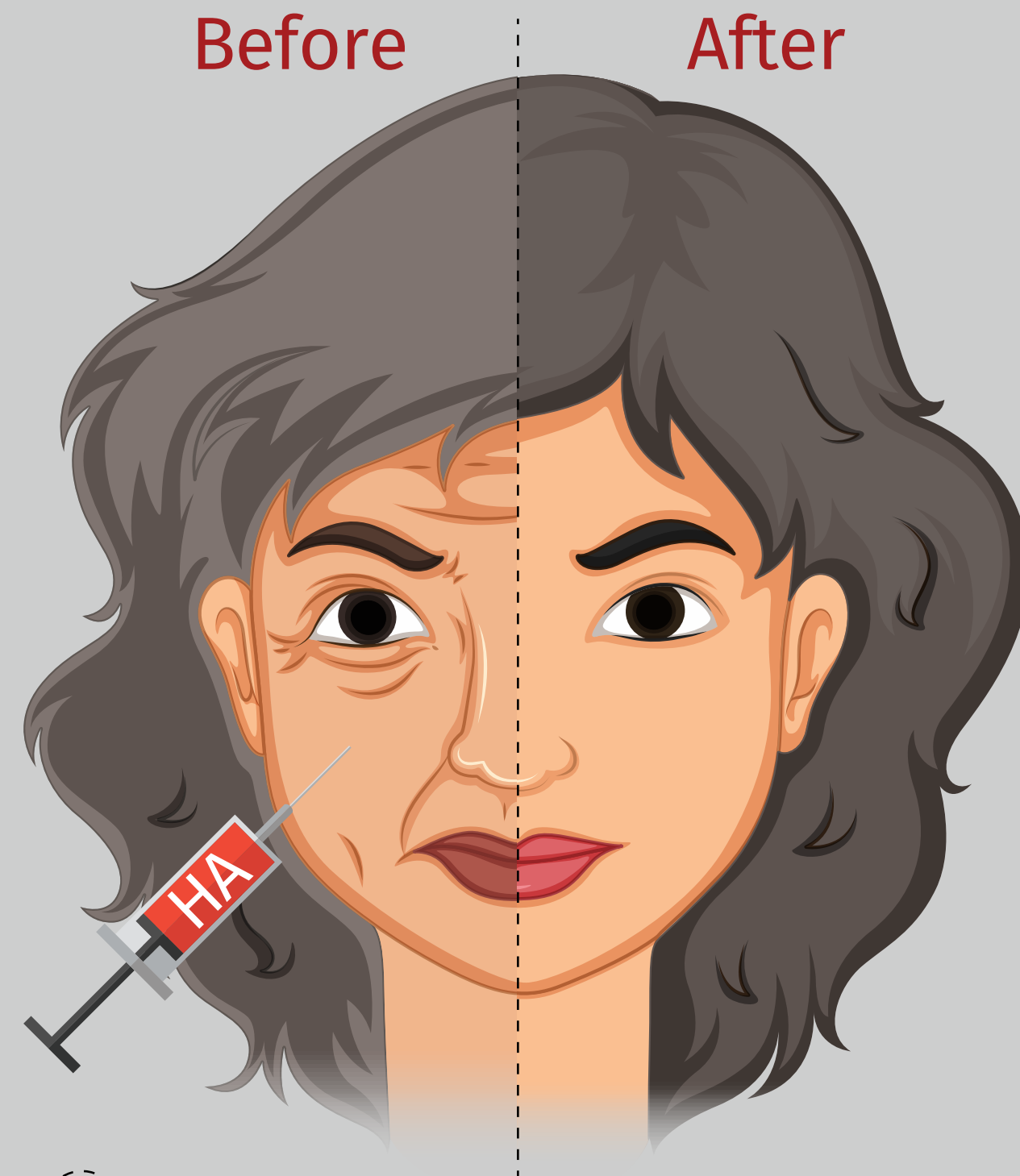


# An algorithm-based approach to managing rejuvenation complications

Hyaluronic acid (HA) is commonly used for facial rejuvenation to reduce signs of aging



Complications of HA filler treatment are rare, but do occur

## Presenting practical recommendations for diagnosing and managing common HA complications

### Infection

- Erysipelas & cellulitis
- Abscess
- Herpes lesions
- Biofilm

### Skin discoloration

- Hematoma
- Neovascularization
- Hyperpigmentation
- Skin brightening

### Vascular compromise

- Peripheral ischemia with tissue necrosis
- Retinal ischemia

### Nodules

- Inflammatory
- Noninflammatory

### Edema

- Postinterventional
- Malar
- Type I & IV allergy
- Acute infection/LIRS

Treatment should be decided only after evaluating the type, duration, onset and progression profile of each complication

**These guidelines may help guide clinicians to recognize and treat potential complications**