# A Handbook of GERIATRIC CARE

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# Fever

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### EINITION

Fever is defined as an elevated core body temperature of more than 38 Centigrade. plays important role in host defence. The regulatory centre of fever is less sensitive derly. Absent of Blunted response to fever is common in elderly.

### TOLOGY

gastroenteritis, prostate gland infections.

Infective causes — Polymyalgia rheumatica, temporal arteritis, malignancy, hyperthyroidism, drugs, stroke, pulmonary embolism.

rugs like tricyclic antidepressants, selective serotonin reuptake inhibitors, benzodiazepines, buspirone.

### FITHOPHYSIOLOGY

The rise in body temperature in response to pyrogens is blunted with increasing
The homeostatic response of the body temperature deteriorates with advancing
The ability to cope and respond to exposure to hot or cold environment is
Tempromised in old age. There will be reduction in perception of the thermal environment
to which behavioural responses are not seen. The above mentioned factors deprive
enefits of fever in old age. A blunted fever response to infection portends a poor
regnosis.

### ZINICAL FEATURES

History of fever, it's onset, duration, type of fever, associated with chills or rigors could be noted. Following questions should be asked:

- History of travelling to endemic area, organ transplantation, replacement surgery
- Night sweats, exposure to pets, use of immunosuppressants.
- Joint pain, bed ridden status, burning micturition.
- House hold contacts having fever, lethargy, incontinence and diabetes.
- History of cigarette smoking and alcohol.
- · History of seizures.

symptoms like increased thirst, giddiness, decreased appetite suggest fever in older people.

Signs Delirium during fever is common. Look for rash, bed sores, signs of meningitis, interns, Pallor and signs of infective carditis. Look for presence of urinary catheter

### A Handbook of Geriatric Care

& central venous catheter. System examination to be carried depending upon presenting symptoms. Temperature recorded in oral cavity or rectum is prebut the core fever is measured using eardrum reflectance in elderly.

### INVESTIGATIONS

Complete blood count, Erythrocyte Sedimentation Rate, C-Reactive Protein, Horn Deficiency Virus (HIV), Widal test, Dengue Antigen, Brucella Antigen, Peripheral sal for Malaria, Chest X -Ray, Ultrasound of Abdomen and Pelvis, Urine for microscopi Culture of Blood, Sputum or Urine.

### MANAGEMENT

General strategies are to rehydrate, use of paracetamol, tepid sponging, pass intake of salt and water and care of tubes if in situ.

Specific therapy once diagnosis is made.

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