Autoinflammatory diseases refer to problems with the immune system, which usually fights off viruses, bacteria, and infection. It results when your immune cells attack your body by mistake.

- Autoinflammatory diseases can cause fever, rash, swelling of joints and other tissues, and serious buildup of a blood protein in organs.
- In most cases, your doctor will prescribe medications to reduce pain and swelling or that act on the immune system.
Some examples of autoinflammatory disease and their symptoms include:

- **Familial Mediterranean Fever (FMF)**, which can cause:
  - Fever that comes and goes.
  - Stomach pain.
  - Arthritis.
  - Chest pain.
  - Skin rashes.

- **Neonatal Onset Multisystem Inflammatory Disease (NOMID)** occurs in children during the first six weeks in life. It can cause:
  - Rash.
  - Fever.
  - Swelling in the lining of the brain.
  - Joint damage.
  - Vision loss.
  - Hearing loss.
  - Mental retardation.

- **Tumor Necrosis Factor Receptor-Associated Periodic Syndrome (TRAPS)** is associated with:
  - High fevers.
  - Pain in the stomach, chest, or joints.
  - Skin rash.
  - Swelling in or around the eyes.

- **Deficiency of the Interleukin-1 Receptor Antagonist (DIRA)** can cause the following serious conditions in children:
  - Swelling of bone tissue.
  - Bone pain and deformity.
  - Swelling of the tissues around the bones.
  - Skin rash that can cover most of the body.

- **Behçet’s Disease** can cause the following symptoms:
  - Mouth or genital sores.
  - Redness and swelling in the eyes.
  - Arthritis.
  - Skin problems.
  - Swelling of the digestive system, brain, and spinal cord.

- **Chronic Atypical Neutrophilic Dermatosis With Lipodystrophy and Elevated Temperature (CANDLE)** can include the following symptoms, which generally develop during the first year of life:
- Recurrent fevers.
- Purple or red spots on the skin caused by burst blood vessels (purpura).
- Joint pain.
- Permanent shortening of a muscle or joint (contracture).
- Developmental delay.
- Facial changes, including a loss of fat on the face, and swollen lips and eyelids.

**What causes them?**

Autoinflammatory diseases are typically caused by changes in certain genes. This causes problems with proteins that are important in specific body functions. For some diseases, the cause is unknown.

**How are they treated?**

Treatments for autoinflammatory diseases can involve medications that:

- Reduce swelling and pain.
- Act on the immune system.

**For More Info**

**U.S. Food and Drug Administration**
Toll free: 888-INFO-FDA (888-463-6332)
Website: [https://www.fda.gov](https://www.fda.gov)

Drugs@FDA at [https://www.accessdata.fda.gov/scripts/cder/daf](https://www.accessdata.fda.gov/scripts/cder/daf). Drugs@FDA is a searchable catalog of FDA-approved drug products.

**Centers for Disease Control and Prevention, National Center for Health Statistics**
Website: [https://www.cdc.gov/nchs](https://www.cdc.gov/nchs)

**National Institute of Allergy and Infectious Diseases**
If you need more information about available resources in your language or other languages, please visit our webpages below or contact the NIAMS Information Clearinghouse at NIAMSInfo@mail.nih.gov.

- Asian Language Health Information
- Spanish Language Health Information

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