Disease Handout

**Disease name:** Common Cold

**Etiology:**
Over 200 types of viruses that cause colds

1. Rhinoviruses (50 %)
2. Caronaviruses (15 %)
3. Various other agents (35%)

**Virulence factors:**

_________ **Portal of entry** __________ Mucus membrane __________

____ **Attachment:** viral receptors bind surface receptors on host cells

____ **Penetrations :** Receptor mediated endocytosis

____ **evade the immune system** Intracellular pathogen

____ **Tissue distruction** Lysis of upper respiratory epithelial cells

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**Mode of Transmission:**

_________ - Respiratory secretions

- Indirect contact ?

_________ - Vehicle Air borne ?

_________ - Infections may occur any time of the year but peaks are seen in early f all and spring.

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**Reservoir:** ________-Human
- Acute symptoms last 3-7 days

**Signs and Symptoms:**

____________________ - Sneezing, excessive nasal secretion, and congestion.

____________________ - Incubation 2-3 days

**Prophylaxis:**

________________ - Anti-histamine to control symptoms

- IgA antibodies to a particular serotype

- Block cellular receptors on viruses

**History:**

**Secondary infections**

- Sinus infections

- Otitis media