

Thin extremities

Sallow skin

Evidence of deficiency of fat-soluble vitamins A, D, E, and K

Anemia

Pulmonary Manifestations

Initial signs:

Wheezy respirations

Dry, nonproductive cough

Eventually:

Increased dyspnea

Paroxysmal cough

Evidence of obstructive emphysema and patchy areas of atelectasis

Progressive involvement:

Overinflated, barrel-shaped chest

Cyanosis

Clubbing of fingers and toes

Repeated episodes of bronchitis and bronchopneumonia