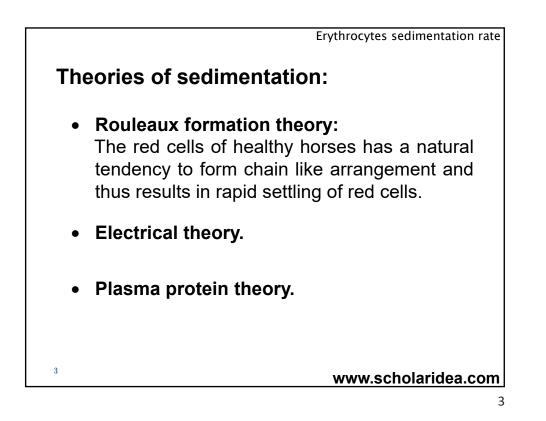
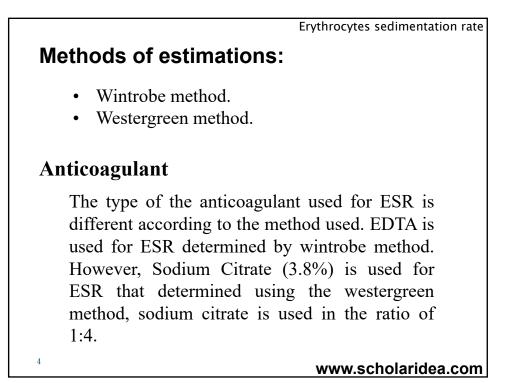


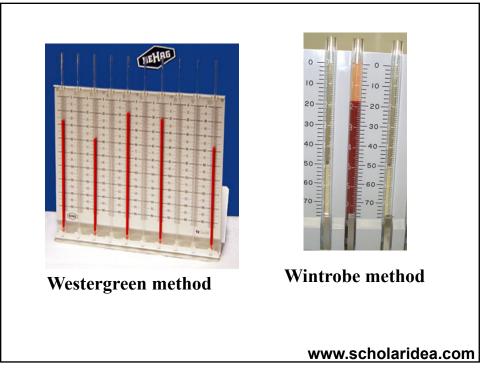
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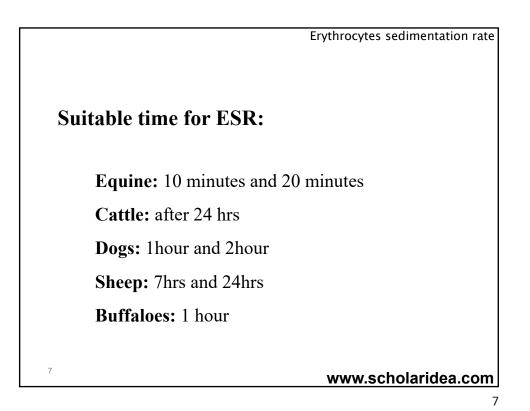
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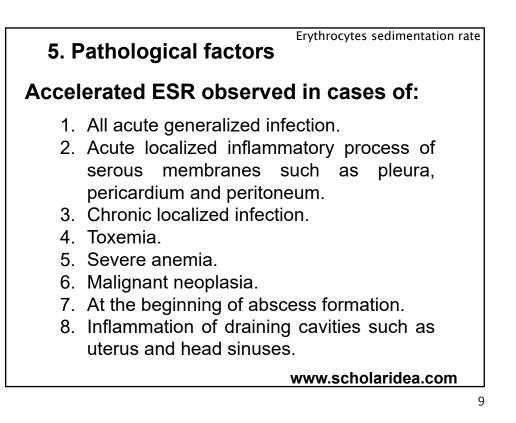


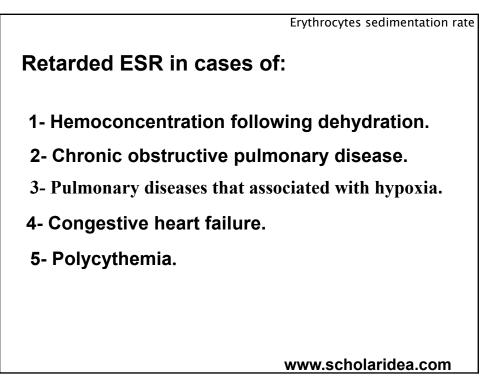






Erythrocytes sedimentation rate **Factors influence the ESR:** 1. Physical factors: Temperature, change in size of RBCs and Rouleux formation 2. Chemical factors: Anticoagulant. 3. Physiological factors: Sex, age, pregnancy, exercise altitude and digestion. 4. Technical factors: Position of the tube (Sedimentation is rapid in an inclined position)



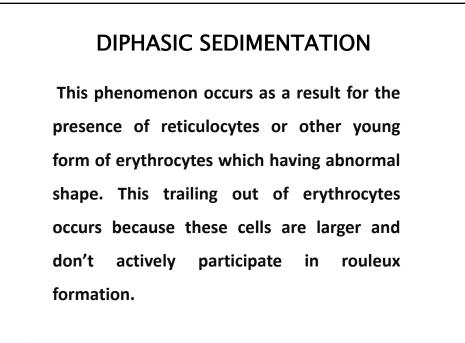


## DIPHASIC SEDIMENTATION

Occasionally in ESR determination there is no definite line between the settled erythrocytes and the plasma. Reticulocytes and immature erythrocytes exhibit less tendency to form clumps or chains (rouleaux) than mature erythrocytes; thus ESR is retarded or exhibits a diphasic pattern.

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