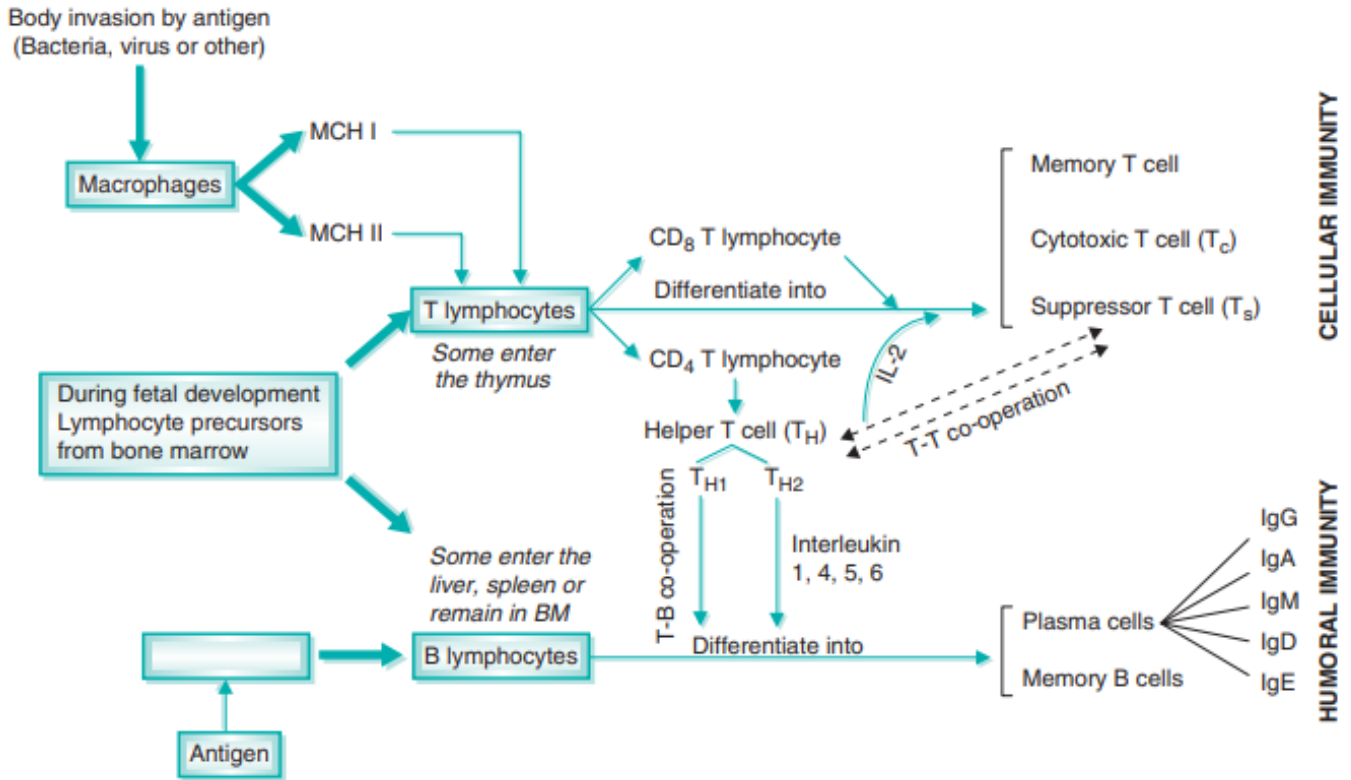
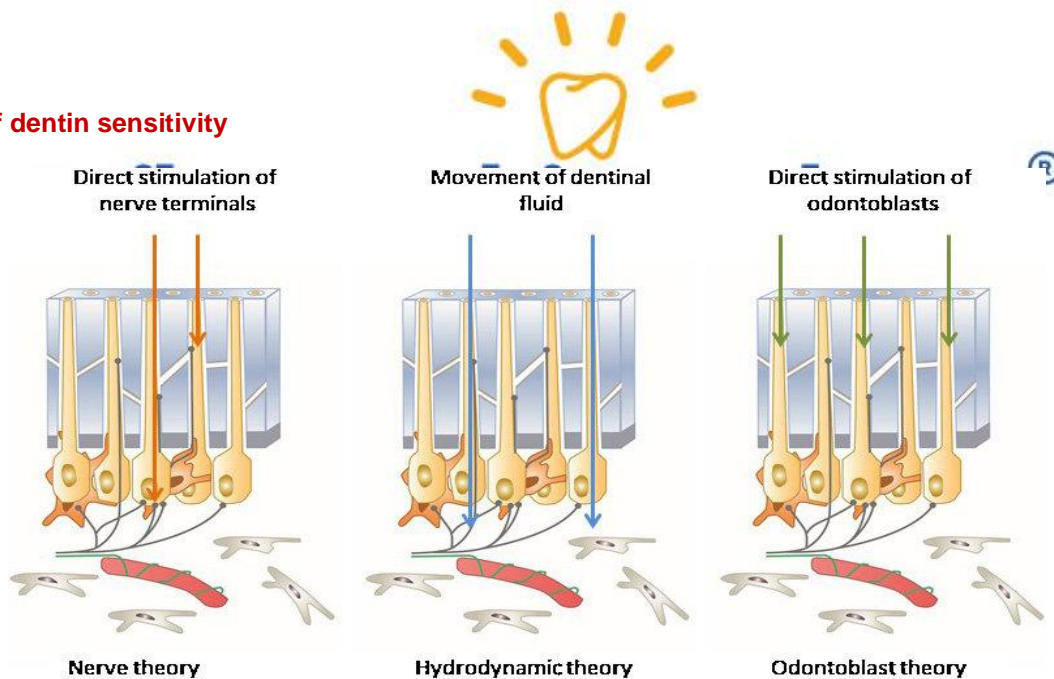


Immunity- cellular and humoral



2. Theories of dentin sensitivity



- A. Neural theory – Dentin is innervated directly.
 B. Transduction theory – Odontoblasts act as a receptor.
 C. Hydrodynamic theory – Receptors are in the pulp & stimulated by fluid movement through the tubules.

4. Grading of Periodontitis

		Grade A	Grade B	Grade C
		Slow rate of progression	Moderate rate of progression	Rapid rate of progression
Direct Evidence	CAL/Bone loss	Nil over 5 years	< 2 mm over 5 years	≥ 2 mm over 5 years
Indirect evidence	(% Bone loss/ age)	<0.25	0.25- 1.0	> 1
	Case phenotype	Biofilm>>> Bone loss	Biofilm= Bone loss	Biofilm<<< Bone loss
Grade Modifiers	Risk Factors	Non Smoker/ Normoglycemic	Smoke < 10 cigars/day HbA1c< 7.0% with diabetes	HbA1C>7.0%



1. History Of Orthodontics

NAME /YEAR	CONTRIBUTION TO ORTHODONTICS
Lefoulon (1839)	Coined the term Orthodontics
Aulus Cornelius (Celsus)	Advocated the use of finger pressure to align IRREGUAR TEETH
Pierre Fauchard (1723)	Designed first Orthodontic Appliance BANDELETTE (to expand the dental arch)
Norman Kingsley	First to use Extraoral force Pioneer For Cleft Palate Treatment
E.C Angell (Emmerson.C) (1823-1903)	Advocated RME (Rapid Maxillary Expansion)
William .E.Migill	Banded teeth for Active Tooth Movement
Henry .A .Baker (1893)	Bakers's Anchorage / use of INTERMAXILLARY ELASTICS
Edward .H.Angle	Father of Modern Orthodontics Gave classification of Malocclusion (1887) Designed Orthodontic appliance such as PIN & TUBE ,E-arch, EDGE WISE APPLINACE
Calvin case	Advocated removal of teeth to achieve stable treatment results. Introduced Extraction Therapy in Orthodontics
Holly Brodbent & Hofrath (1931)	Developed cephalometric
Buonocore (1955)	Acid Etching
Raymond Begg	Begg's Appliance Light Wire fixed appliance technique (Based on concept of DIFFERENTIAL FORCE), Theory Of Attritional Occlusion
Pierre Robin (1902)	MONOBLOC (Glossoptosis)
Viggo Andreson (1910)	Activator (guides the growth of Jaw)
Rolf Frankle	Functional Regulator for Skeletal Malocclusion
Lawrence Andrews	Straight wire appliance
Warren Mayne's	Incisor Liability