Junctions



Junction	Transmembrane Protiens	Cyłoskeletal	Sunction	medical Signisicance
Tight / Occluding (seal, most apical)	Claudia and occluder	actin Silaments	<ul> <li>intercellular</li> <li>Seal, transcellular</li> <li>route</li> <li>seprates apical</li> <li>and basis lateral</li> </ul>	Defects in occludin J *Setal blood-brain barrier *neutological disorders
Adherent junctions (Fonula adherens) usually below Tight sundice	- <u>e-Cadherin</u> of each cell in presence of ca++ bind catenins that link to actin withadin binding proton	actin	linking cytoskelebn of adjacent cells Strengthening the tissue	1055 of C-Cadhein E Cancinomas]
Desmosomes or mulula adherens	Cadheria Samily Called Calesmogleins & desmocolin State of the state of the stat	intermediate Silament (keratios)	Strong intermediate Coupling between adjacent cell, strengthening the tissue	autoi mmunity agains deamoglein * dyshesive skin disorders~> reduce Cohesion in epidemo
Gap junctions	<u>Connexins</u> — Form hexameric Complexes Called <u>Connexons</u>		intercellular Communication direct transporter Small molecules from one cell to another	maturation in Connexin genes E dea8ness&peripheral neuro pub
Hemides.mosomes	integrins bind primarly to laminin	intermediate Sillament	ANChores (yłoskelelu lo basał lemina	Maturation in cintegrin By gene geni dermolysis blillosa -> skin blistering disorder