

IMMUNODEFICIENCY SUMMARY

Monday, October 27, 2014
10:45 AM

Immunodeficiency	Abnormalities	Common Infections	Treatment
T-Cell	<ul style="list-style-type: none"> ↓ T-zones ↓ DTH ↓ T-Cell proliferation in response to mitogens <i>in vitro</i> 	IC, V, F	<ul style="list-style-type: none"> - aggressive tx - stem - NO live
B-Cell	<ul style="list-style-type: none"> ↓ follicles/germinal centers ↓ Abs 	EC, V	<ul style="list-style-type: none"> - Antibiotics - Abs - NO live
Innate	variable	EC, V	<ul style="list-style-type: none"> - Antibiotics - stem

T-CELL DEFICIENCIES

Maturation/development	<ul style="list-style-type: none"> - thymus (DiGeorge) - RAG, γc, ADA/PNP (SCID) - MHC2 - Wiskott-Aldrich, abnormal DNA repair
Activation/function	<ul style="list-style-type: none"> - MHC, CD4/8 (BLS) - TH2 bias (CMC) - CD40 mutation (Hyper-IgM)
Regulation	<ul style="list-style-type: none"> - Fas mutation (ALS) - FoxP3/Treg mutation (IPEX)

B-CELL DEFICIENCIES

Maturation/development	<ul style="list-style-type: none"> - BtK (BXA) - RAG, γc, ADA/PNP (SCID)
Activation/function	<ul style="list-style-type: none"> - CD40 mutation (Hyper-IgM) - IgA (SIgAD)
Regulation	

INNATE DEFICIENCIES

Complement System	- C1 Inhibitor (HANE)
Cell Migration	- Adhesion Molecules (LAD-1)
Phagocytosis	- oxidases>granulomas (CGD)