

- History and physical examination, height and weight
- CBC and differential
 - Quantitative Immunoglobulin levels IgG, IgM, IgA (related to age)
- Specific antibody responses (tetanus, diphtheria)
- Response to pneumococcal vaccine (pre/post) (for ages 3 and up)
 - IgG subclass analysis
 - Candida and Tetanus skin tests
 - Lymphocyte surface markers CD3/CD4/CD8/CD19/CD16/CD56
- Mononuclear lymphocyte proliferation studies (using mitogen and antigen stimulation)
 - Neutrophil oxidation burst (if indicated)
 - Complement screening CH50, C3, C4
 - Enzyme measurements
 (adenosine deaminase, purine nucleoside phosphorylase)
 - Phagocyte studies (surface glycoproteins, mobility, phagocytosis)
- NK cytotoxicity studies
 - Further complement studies AH50
 - Neo antigen to test antibody production
 - Other surface/cytoplasmic molecules
 - Cytokine receptor studies
 - Family/genetic studies



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