Table 3.

Remicade (infliximab) [3, 4, 14]

Initial Visit:				
History a	nd Physical			
H	distory of CHF? distory of malignancy or serious infections (hepatitis, TB, HIV, other)? distory or family history of multiple sclerosis? distory of other neurological disease including seizure disorders? distory of COPD and smoking? Total body skin exam for skin cancer Check for HSM, cervical/axillary/inguinal lymphadenopathy distory of diabetes? dave you lived in Southwest (risk of coccidiomycosis) or Southeast – Ohio and Mississippi River Valleys (risk of histoplasmosis or blastomycosis)? Travel to area endemic for TB? live vaccine within past month – you or household member? Medications: Anakinra; cyclosporine; abatacept; natalizumab; other anti-TNF agents; ituximab; methotrexate; corticosteroids; cyclophosphamide (increased risk of solid			
T V	nalignancies in Wegener's granulomatosis); warfarin (levels can be decreased by anti TNF agents) Vegener's granulomatosis? (increased risk of malignancy with Remicade) Major surgery in next month? Active infection? Hold dose for infection or sepsis For Enbrel - History of alcoholism? (increased mortality in alcoholic hepatitis)			
C T H H H H H H H H H	CBC, CMP TB test (for PPD, consider >5mm as positive) Hepatitis B screen: Hepatitis B sAg, Hepatitis B sAb, Hepatitis B cAb Influenza vaccine (if flu season) Baseline ANA (optional) HIV (optional) — especially with erythrodermic psoriasis Cardiovascular risk panel: CRP, homocysteine, HbA1C, lipid profile (if screening for psoriasis) (optional) Preumovax (optional)			
	ration Considerations			
P	Pre-medicate with acetaminophen and antihistamines			

		Have acetaminophen, antihistamines, corticosteroids, and/or epinephrine available for immediate use
<u>Co</u>	unse	eling/Other
		Infusion reaction ANARINI ANIS (o.g. angiondomo, byonebosposm, by material)
	Ш	Infusion reaction – ANAPHYLAXIS (e.g., angioedema; bronchospasm; hypotension),
		serum sickness-like reaction (polyarthralgias, myalgia, fever, rash, headache, sore
		throat, dysphagia, hand and facial edema), seizure
	H	Risk of anaphylaxis if previously had Remicade more than 6 months prior
	H	Can worsen existing malignancies Malignancy:
	Ш	
		 Non-Hodgkin's lymphoma and Hodgkin's disease; breast, colorectal, melanoma, acute and chronic leukemia
		 Lymphoma and other malignancies in children and adolescents
		 Non-melanoma skin cancer with prior phototherapy
		 If h/o COPD and smoking, risk of lung or head and neck malignancy
		 Hepatosplenic T-cell lymphoma - all in Crohn's or ulcerative colitis, mostly
		adolescent or young adult males AND azathioprine or 6-mercaptopurine at or
		prior to diagnosis (although rheumatologists frequently use this combination)
		Risk of reactivation of latent TB
		 Risk is higher with TNF-blocking monoclonal antibodies than with Enbrel
		Serious, sometimes fatal, infection (especially with methotrexate or corticosteroids):
		bacterial (including sepsis), mycobacterial, invasive fungal, viral, and opportunistic
		infections, such as tuberculosis (including reactivation), histoplasmosis,
		coccidioidomycosis, candidiasis, aspergillosis, blastomycosis, pneumocystosis, listeriosis
		Exacerbation or new onset of demyelinating disease, e.g., multiple sclerosis, seizure
		disorder
		o Rare cases of optic neuritis, seizure, CNS manifestations of systemic vasculitis,
		peripheral demyelinating disorders such as Guillain-Barre syndrome; Caution
		with pre-existing demyelinating or seizure disorders
		Can worsen moderate to severe heart failure or cause new-onset heart failure
		May lower incidence of coronary artery disease (a benefit)
		Loss of efficacy can occur with time, which is sometimes prevented with
		coadministration of low-dose methotrexate ¹⁴ .
		Works fast (PASI 50 at week 2) ¹⁴ (a benefit)
		Lupus-like syndrome
		Reactivation of hepatitis B
		Hepatotoxicity - acute liver failure, jaundice, hepatitis, cholestasis, autoimmune
		hepatitis
		Incidence of elevated liver enzymes and liver complications is somewhat higher with
		Remicade than with other TNF-alpha inhibitors ⁴ .

	Cytopenias: pancytopenia, aplastic anemia, leucopenia, thrombocytopenia Avoid live vaccines – self and household members Pediatric Patients: Up to date on vaccines before starting? Formation of anti-Remicaide antibodies after drug-free intervals of >16 weeks, lower incidence in those taking methotrexate concomitantly, associated with decreased efficacy If you have diabetes, there is higher chance for infection. For Enbrel - If you have diabetes, there is a risk for hypoglycemia and a higher chance for infection when serum glucose is poorly controlled For Simponi and Remicade - New-onset or worsening psoriasis For Cimzia - Erroneously elevated aPPT tests For Cimzia - Intestinal obstruction (with Crohn's patients)
Follow-	up Visit:
History :	and Physical
	Every six months: Total body skin exam for skin cancer Every six months: Check for HSM, cervical/axillary/inguinal lymphadenopathy Any new infection – hold dose for active infection or sepsis When was last dose (< 6 months?) – risk for anaphylaxis if > 6 months? Is there sustained clinical efficacy in the treatment interval? Skin? Joints? Any signs of heart failure Major surgery in next month? Other interval history
<u>Labs</u>	
	Every visit for first 4 infusions, then approximately every three months: CBC, CMP Every year: TB test (consider induration of >5mm as positive) Influenza vaccine annually (in flu season) Pre-medicate with acetaminophen and antihistamines In HBV carriers, check liver panel for laboratory signs of hepatitis B reactivation ANA and anti-ds-DNA (if lupus-like symptoms)
<u>Other</u>	
	Any live vaccines in past month? Any household members getting live vaccine?