A case-based update

"I can't shake this cold!"

Karen Binkley, MD, FRCPC

	Age: 35
	Presentation: Linda presents with recurrent sinus and chest congestion for the past four months.
	√ Symptoms started with an apparent viral illness (nasal congestion, discharge, sinus pressure,
	chest congestion, cough productive of small amounts of white phlegm, and fever of 38.6 C)
	✓ Antibiotic treatment provided some improvement, but relief was incomplete and temporary
	✓ Linda was evaluated by an ears, nose and throat specialist; endoscopy and computed
	tomography scan revealed minor septal deviation and mucosal edema
	✓ She had minimal response to intranasal saline and corticost
	response to antihistamines Moderate, ongoing fatigue or
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	Laboratory Investigations
	√ Complete blood cell count shows slight neutrophilia, erythocyte sedimentation rate
	45 mm/h
	Alanine aminotransferase elevated at 280 U/L, aspartate aminotransferase elevated at
	295 U/L
	√ Creatinine elevated at 180 µmol/L
	√ Quantitative immunoglobulins: Normal
	√ C3, C4 low
	√ Antinuclear antibodies, rheumatoid factor negative
	√ C and p anti-neutrophil cytoplasmic antibodies negative
	√ Allergy skin tests are negative for all aero-allergens
	✓ Pulmonary function tests and methacholine challenge are unremarkable
	T samonary tunetion esses and measurement change are unformation
	Final diagnosis:
	Wegener's granulomatosis is a vasculitis that typically involves
	the mid-line respiratory tract
	ma une resputatory tract
	√ Septal defect is strongly suggestive
	√ Fluctuating course without clear response to antibiotics
	√ Absence of allergic features or obvious immune deficiency
	Management:
	√ Linda is admitted to hospital for further investigations; Wegener's strongly suspected
	√ Consideration given to liver biopsy
	√ During hospitalization, Linda's creatinine continues to rise
	√ Renal biopsy allowed pathological confirmation of a diagnosis of Wegener's
	granulomatosis with negative ANCA
	✓ Linda is treated with prednisone and cyclophosphamide with resolution of symptoms D
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