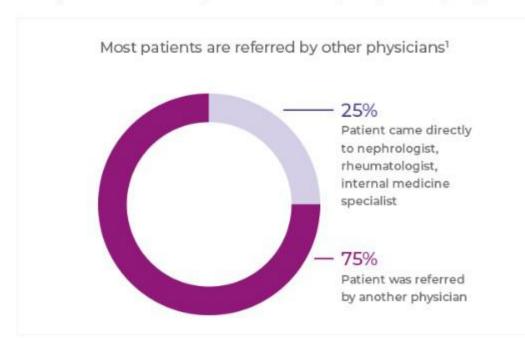
Referral, diagnosis & follow-up

AAV patients often experience a complex pathway of patient referral and diagnosis1*



Many patients have renal disease at presentation, but general non-specific referral symptoms predominate¹

Renal disease: 64%

Fatigue: 58%

Fever: 54%

Weight loss: 53%

Joint pain: 47%

16% of patients have had their referral symptoms for over 3 months before receiving an AAV

diagnosis1

Comorbidities at diagnosis are common (65% of patients)¹

Hypertension: 45%

Type 2 diabetes: 16%

COPD/asthma: 15%

Coronary arterial disease: 10%

Arthritis: 9%

Osteoporosis: 7%

BMI >35: 6%

Cardiac failure: 6%

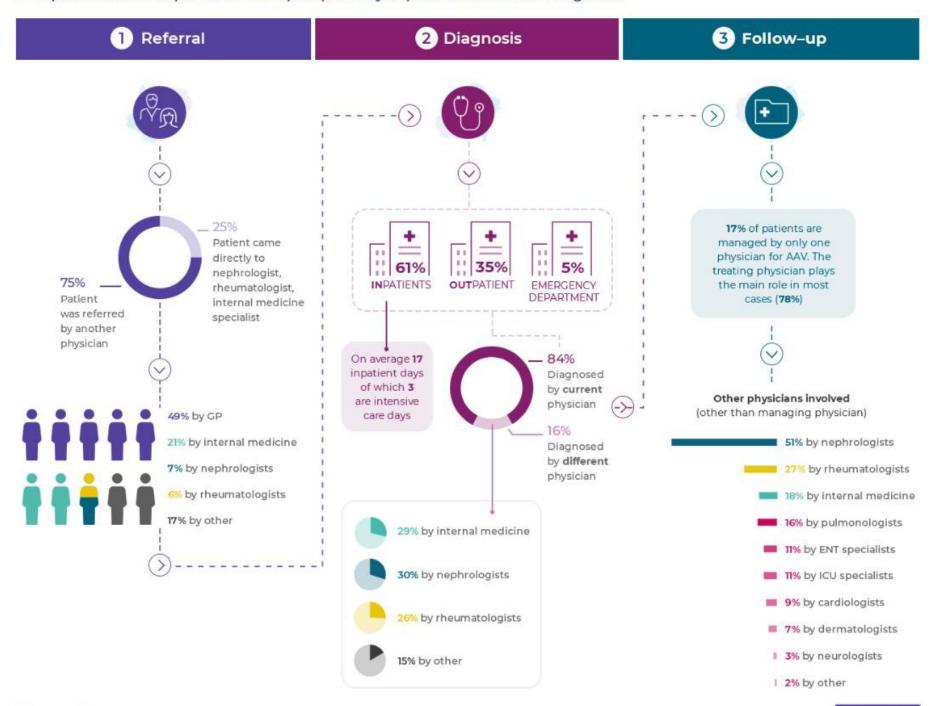
The relative rarity and non-specific presentation of AAV can lead to a delay in disease diagnosis of more than 6 months in one-third of patients.²

Diagnosis of AAV and differentiation into the GPA, MPA or EGPA subtype depends on the patient's clinical symptom constellation, the results of imaging studies, and laboratory investigation.^{2,3}

Due to the linkage of anti-PR3 with GPA and anti-MPO with MPA, ANCA testing is critical for diagnosis.²⁻⁶

- Up to 20% of GPA and MPA patients and over 60% of EGPA patients are ANCA negative³
- A positive ANCA test result can be found in other conditions, e.g. autoimmune hepatitis, ulcerative colitis, infection with hepatitis C virus or HIV, or infectious endocarditis, without associated vasculitis³

An organ biopsy, usually renal, is often performed to confirm the diagnosis.



References & footnotes

AAV, ANCA-associated vasculitis; ANCA, anti-neutrophil cytoplasmic autoantibody; BMI, body mass index; COPD, chronic obstructive pulmonary disease; EGPA, eosinophilic granulomatosis with polyangiitis; ENT, ear nose and throat; EU, European Union; GP, general practitioner; GPA, granulomatosis with polyangiitis; HIV, human immunodeficiency virus; ICU, intensive care unit; MPA, microscopic polyangiitis; MPO, myeloperoxidase; PR3, proteinase 3

*Retrospective study reviewing 929 incident AAV patients (GPA: 54%; MPA: 46%; mean age: 57 years; male: 53.7%) from four EU countries (399 physicians) who initiated remission induction therapy between November 2014 and February 2017 with data collected at baseline presentation, and after 1, 3, 6 and 12 months of treatment.

- Rutherford PA, et al. Real world experience in ANCA-associated vasculitis (AAV) a complex pathway of patient referral, diagnosis, and management. Poster presented at: ASN 2018, 23–28 October 2018, San Diego, CA, USA (abstract SA-PO403).
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- 3. Pagnoux C. Eur J Rheumatol 2016;3(3):122-33.
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- Lionaki S, et al. Arthritis Rheum 2012;64(10):3452-62.