

### Hypertensive Vascular Disease

- Coffman TM: Under pressure: the search for the essential mechanisms of hypertension. *Nature Med* 17:1402, 2011. [Current and well-written review of the current state of the field including recent translational advances.]
- Lifton RP, et al: Molecular mechanisms of human hypertension. *Cell* 104:545, 2001. [A well-written overview of the genetics and molecular pathways that underlie hypertension; although older, it still provides a good framework for understanding the multiple intersecting mechanisms of essential hypertension]
- Singh M, Mensah GA, Bakris G: Pathogenesis and clinical physiology of hypertension. *Cardiol Clin* 28:545, 2010. [Excellent and up-to-date overview of normal blood pressure regulation and the interaction of genetics and environment in the pathophysiology of hypertension.]

### Atherosclerosis

- Finn AV, et al: Concept of vulnerable/unstable plaque. *Arterioscler Thromb Vasc Biol* 30:1282, 2010. [Good overview of the evolving concepts regarding plaque stability.]
- Grebe A, Latz E: Cholesterol crystals and inflammation. *Curr Rheumatol Rep* 15:313, 2013. [A review of the activation of the inflammasome by cholesterol crystals, and its role in atherosclerosis.]
- Libby P, et al: Inflammation in atherosclerosis: from pathophysiology to practice. *J Am Coll Cardiol* 54:2129, 2009. [Excellent overview of the role of inflammation in atherosclerotic disease.]
- Ridker P: C-reactive protein and the prediction of cardiovascular events among those at intermediate risk: moving an inflammatory hypothesis towards consensus. *J Am Coll Cardiol* 49:2129, 2007. [A solid opinion piece pulling regarding the utility of inflammatory markers in providing additional independent information for predicting for cardiovascular events.]
- Rocha VZ, Libby P: Obesity, inflammation, and atherosclerosis. *Nat Rev Cardiol* 6:399, 2009. [Good review of the interaction of risk factors, including the potential role of the metabolic syndrome in atherosclerotic disease.]
- Ross R: Atherosclerosis-an inflammatory disease. *N Engl J Med* 340:115, 1999. [The key paper that eloquently laid out the response-to-injury hypothesis for atherosclerosis.]
- Witztum JL, Lichtman AH: The influence of innate and adaptive immune responses on atherosclerosis. *Annu Rev Pathol Mech Dis* 9:73, 2014. [A recent update on the involvement of different components of the inflammatory response in atherosclerosis.]

### Aneurysms and Dissection

- Gillis E, Van Laer L, Loeyls BL: Genetics of Thoracic Aortic Aneurysm: At the Crossroad of Transforming Growth Factor- $\beta$  Signaling and

Vascular Smooth Muscle Cell Contractility. *Circ Res* 113:327, 2013. [Up-to-date discussion of the molecular and cellular basis for thoracic aneurysms and dissections.]

- Michel JB, et al: Novel aspects of the pathogenesis of aneurysms of the abdominal aorta in humans. *Cardiovasc Res* 90:18, 2011. [Good discussion of the molecular pathways underlying human abdominal aortic aneurysm formation.]

### Vasculitis

- Jennette J, et al: Pathogenesis of antineutrophil cytoplasmic autoantibody-associated small vessel vasculitis. *Annu Rev Pathol Mech Dis* 8:139, 2013. [Excellent recent review of discussing how ANCA activate neutrophils and other inflammatory cells.]
- Kallenberg CG: Pathophysiology of ANCA-associated small vessel vasculitis. *Curr Rheumatol Rep* 12:399, 2010. [Recent overview of the pathogenesis of the ANCA-associated vasculitides.]

### Veins and Lymphatics

- Goldhaber SZ: Venous thromboembolism: epidemiology and magnitude of the problem. *Best Pract Res Clin Haematol* 25:235, 2012. [Thorough clinically-oriented overview of deep venous thrombosis and pulmonary embolism, including epidemiology, mechanism of disease, and therapy.]

### Vascular Tumors

- Ganem D: KSHV infection and pathogenesis of Kaposi's sarcoma. *Annu Rev Pathol* 1:273, 2006. [Excellent, scholarly review of the pathologic mechanisms underlying Kaposi sarcoma.]
- Penel N, et al: Angiosarcoma: State of the art and perspectives. *Crit Rev Oncol Hematol* 2010. [Extensive clinical summary of this aggressively malignant vascular tumor.]

### Pathology of Vascular Intervention

- Inoue T, et al: Vascular inflammation and repair: implications for re-endothelialization, restenosis, and stent thrombosis. *JACC Cardiovasc Interv* 4:1057, 2011. [Excellent overview of the inflammatory pathways that influence the outcomes of percutaneous vessel interventions.]
- Kim FY, et al: Saphenous vein graft disease: review of pathophysiology, prevention, and treatment. *Cardiol Rev* 21:101, 2013. [Good overview of the pathogenesis and clinical issues relating to venous bypass grafting, germane to all graft stenosis.]