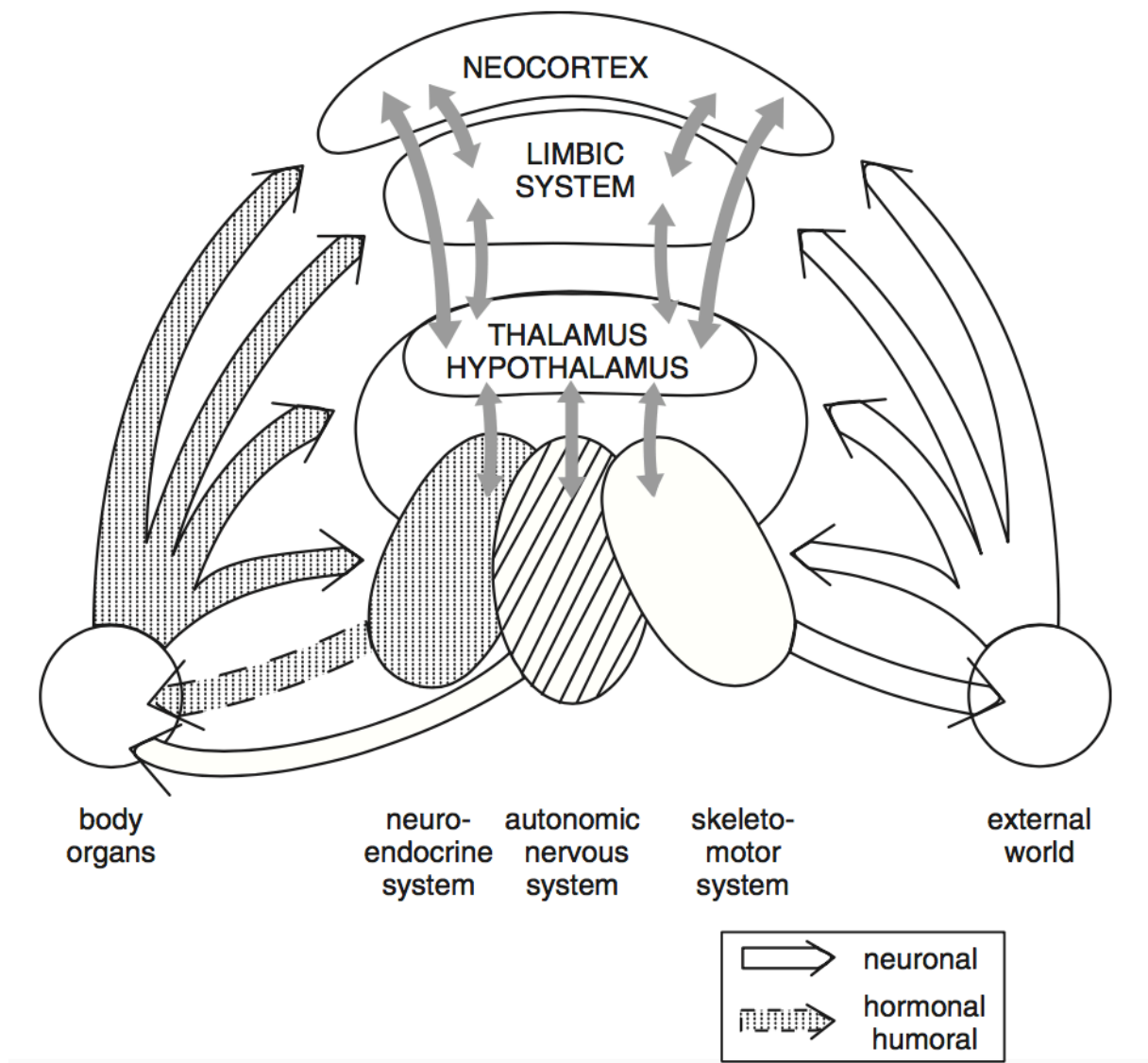
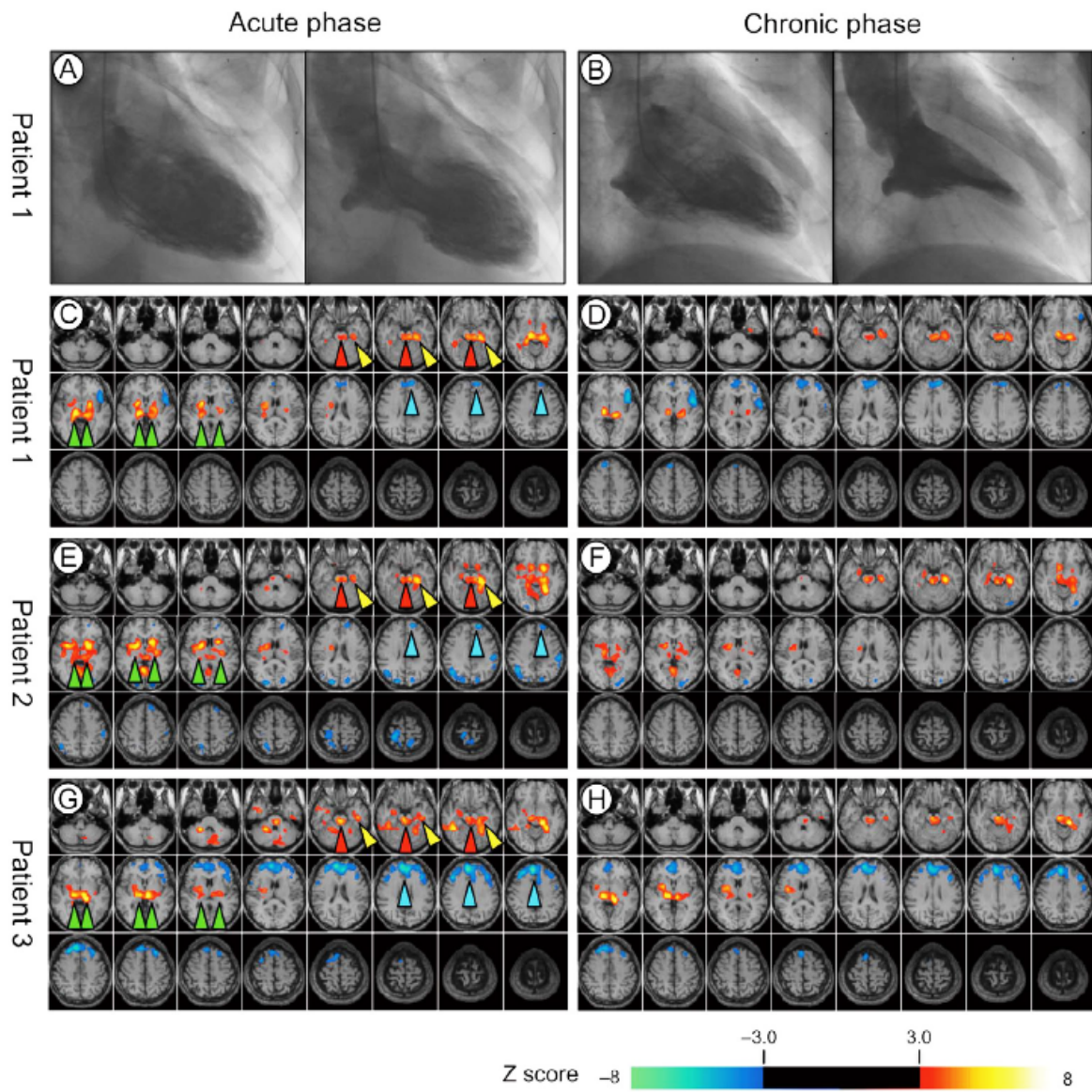


Figure 1. Central and autonomic nervous system interplay



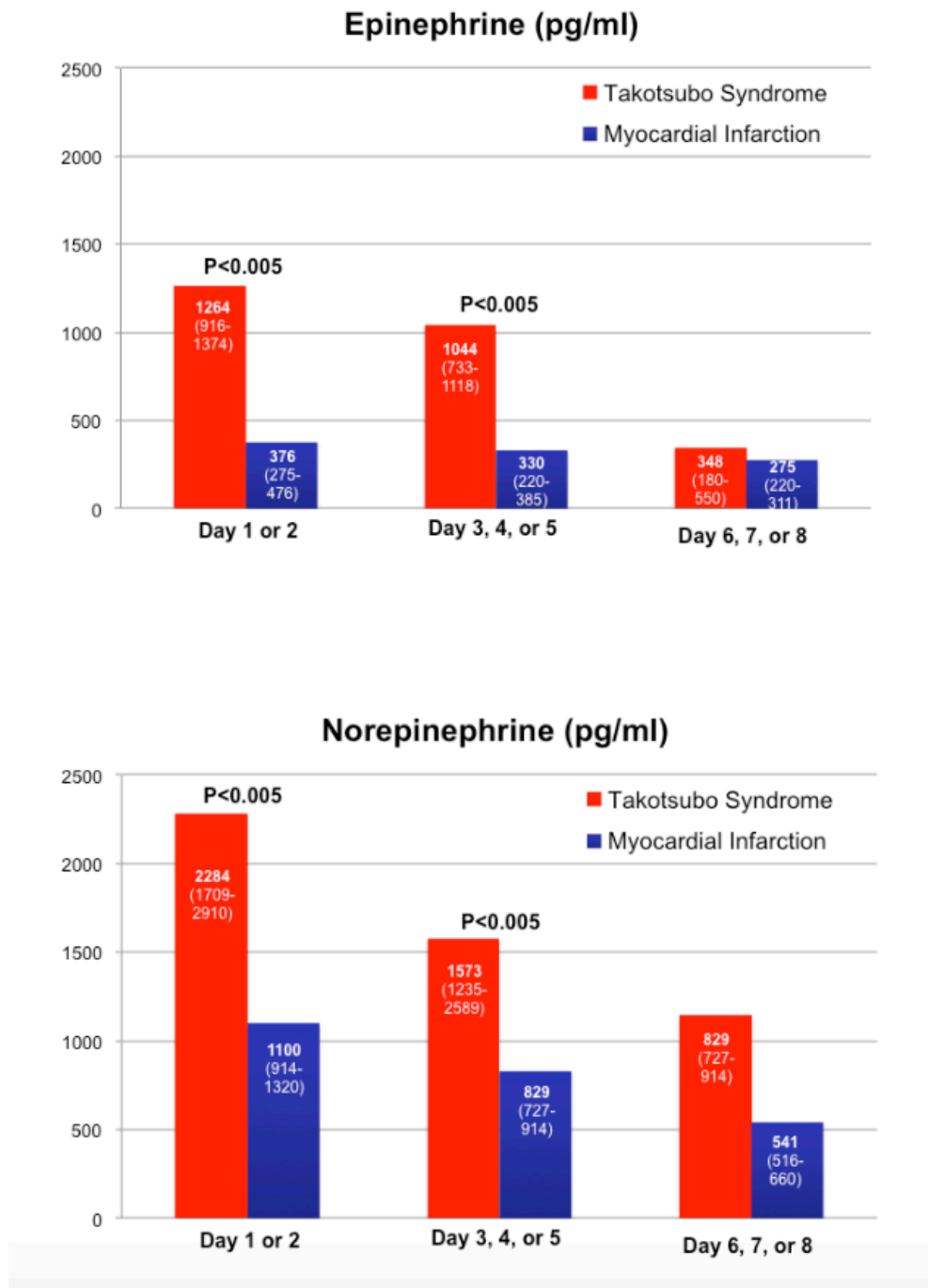
[Reprinted with permission from Janig W. *The Integrative Action of the Autonomic Nervous System*. 2006; Cambridge University Press. The Edinburgh Building, Cambridge, UK. Ref. 26].

Figure 2. Brain activation in patients with TTS



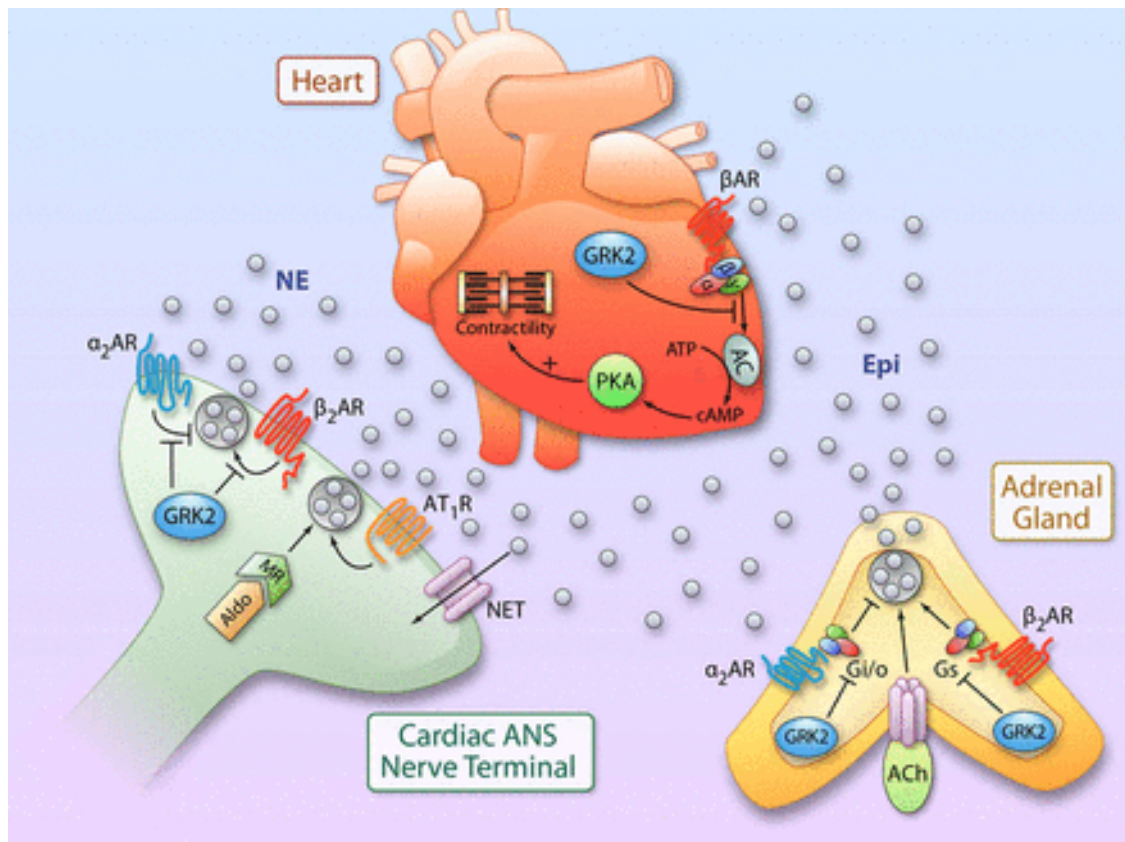
[Reprinted with permission from Suzuki H. Evidence for brain activation in patients with takotsubo cardiomyopathy. *Circ J.* 2014; 78: 256-258. Ref. 28].

Figure 3. Plasma catecholamine levels in patients with TTS and patients with myocardial infarction



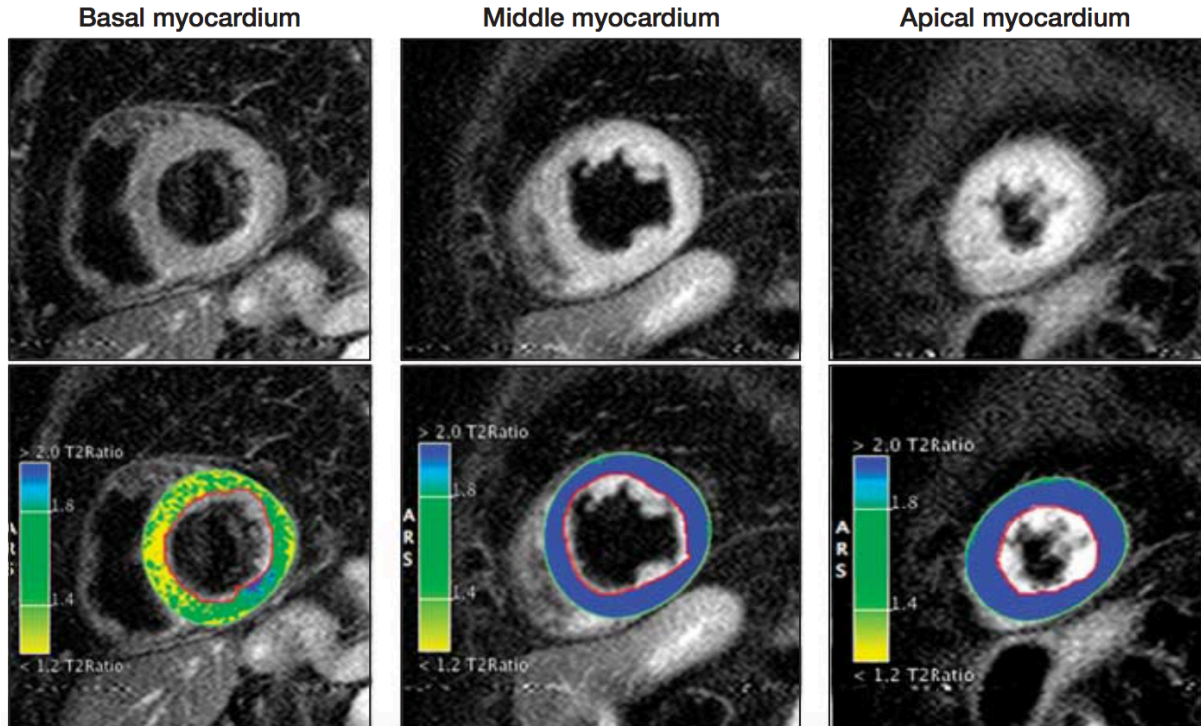
[Modified from Wittstein IS, et al. Neurohumoral features of myocardial stunning due to sudden emotional stress. *N Engl J Med.* 2005;352: 539-548. Ref. 37].

Figure 4. Autonomic Nervous System activation and cardiovascular system



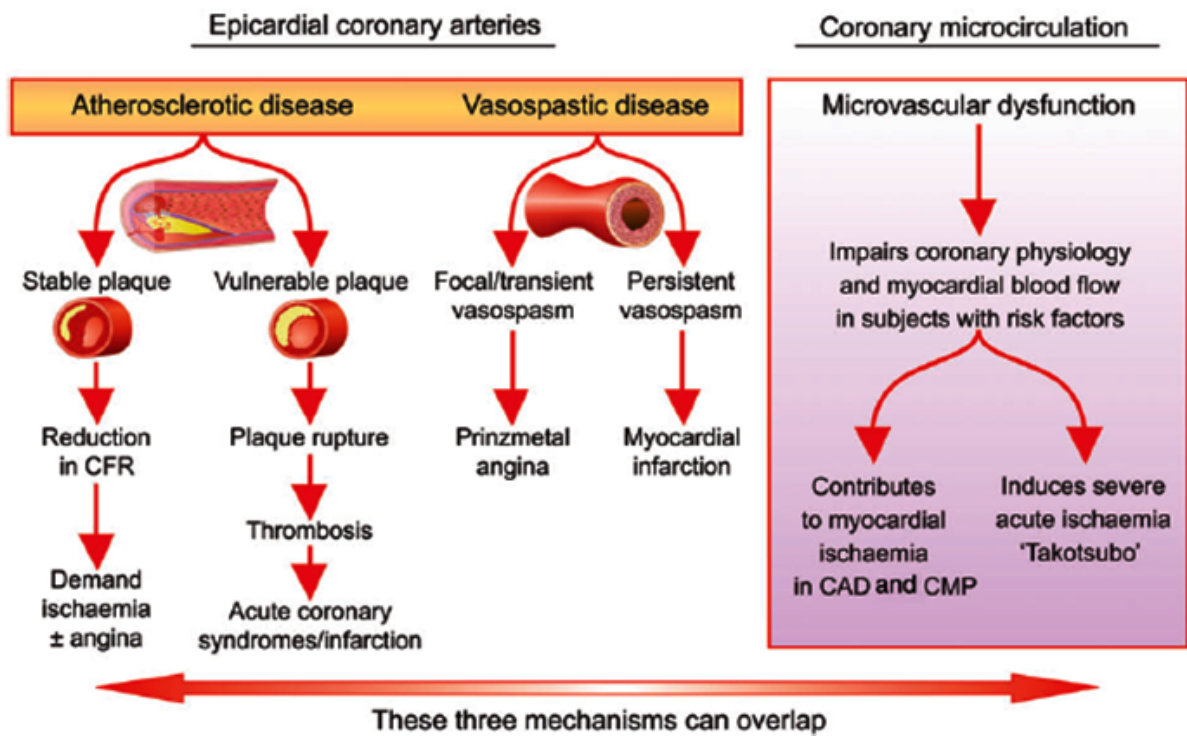
[Reprinted with permission from Lympopoulos A et al. Adrenergic nervous system in heart failure. Pathophysiology and therapy. Circ Res. 2013;113:739-753. Ref 43]

Figure 5. Cardiovascular magnetic resonance identification of myocardial edema in TTS



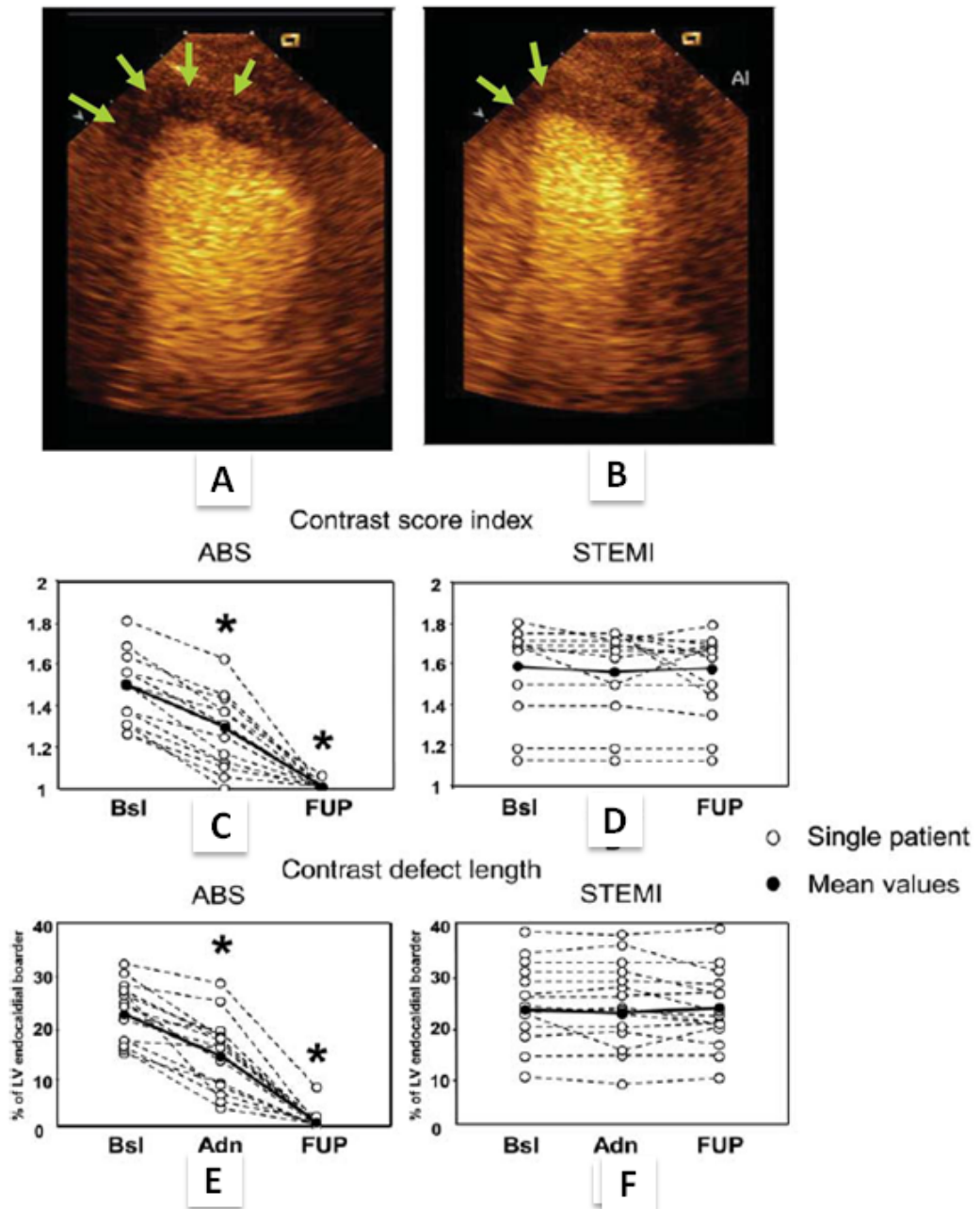
[Reprinted with permission from Eitel I et al. *Clinical characteristics and cardiovascular magnetic resonance findings in stress (Takotsubo) cardiomyopathy.* JAMA. 2011;306:277-286. Ref 64]

Figure 6. Mechanism of myocardial ischemia



[Reprinted with permission from Crea F, Camici PG, Bairey Merz CN. Coronary microvascular dysfunction: an update. Eur Heart J. 2014;35:1101-1111. Ref 72].

Figure 7. Myocardial contrast echocardiography in TTS



[Reprinted with permission from Galiuto L et al. Reversible coronary microvascular dysfunction: a common pathogenetic mechanism in apical ballooning or Takotsubo syndrome. *Eur Heart J* 2010;31:1319–1327. Ref 76]

Figure 8. Key pathogenetic aspects in TTS

