1880 Subcellular distribution of protein kinase C isozymes during cardioplegic arrest
Zivojin S. Jonjev, MS, MD, Dorie W. Schwertz, PhD, Jennifer M. Beck, BS, James D. Ross, BA, and William R. Law, PhD, Chicago, Ill

Protein kinase C-δ, which may be detrimental to cardiac function, undergoes a sustained translocation to myofilament fractions in the heart during cardioplegia. Lesser changes in other isozymes occurred, and very little translocation of isozymes to membrane fractions was found. These data implicate unique translocation profiles of protein kinase C isozymes that may contribute to postsurgical dysfunction.

1886 C-reactive protein activates the nuclear factor-κB signal transduction pathway in saphenous vein endothelial cells: Implications for atherosclerosis and restenosis
Subodh Verma, MD, PhD, Mitesh V. Badiwala, BSc, Richard D. Weisel, MD, Shu-Hong Li, MSc, Chao-Hung Wang, MD, Paul W. M. Fedak, MD, Ren-Ke Li, MD, PhD, and Donald A. G. Mickle, MD, Toronto, Ontario, Canada

The NF-κB signal transduction is known to play a role in the expression of proatherogenic factors; however, the direct effect of CRP on NF-κB signal activation is unknown. The present study demonstrated confocal microscopy activation of NF-κB in saphenous vein endothelial cells incubated with CRP. Incubation with CRP resulted in degradation of IκB-α but demonstrated no significant effect on IκB-β degradation.

1892 Pharmacologic inhibition of intracellular caspases after myocardial infarction attenuates left ventricular remodeling: A potentially novel pathway
William M. Yarbrough, MD, Rupak Mukherjee, PhD, G. Patricia Escobar, DVM, Jeffrey A. Sample, BS, Julie E. McLean, BS, Kathryn B. Dowdy, BS, Jennifer W. Hendrick, BS, William C. Gibson, MD, Amy E. Hardin, BS, Joseph T. Mingoia, BS, Patrick C. White, BS, Ann Stiko, MD, PhD, Robert C. Armstrong, PhD, Fred A. Crawford, MD, and Francis G. Spinale, MD, PhD, Charleston, SC, and San Diego, Calif

Caspase activation after MI may evoke LV remodeling through 2 independent processes, namely, apoptosis and degradation of myocardial contractile proteins. This project applied CASPI to a chronic porcine model of MI. CASPI reduced LV dilation after MI in the absence of significant effects on absolute myocyte troponin-I release and MI size.

1900 A comparative analysis of positron emission tomography and mediastinoscopy in staging non–small cell lung cancer
Gonzalo V. Gonzalez-Stawinski, MD, Anthony Lemaire, MD, Faisal Merchant, BS, Elizabeth O’Halloran, BS, R. Edward Coleman, MD, David H. Harpole, MD, and Thomas A. D’Amico, MD, Durham, NC

PET was compared with mediastinoscopy for mediastinal staging of NSCLC. PET neither confirmed nor excluded involvement of the mediastinum. Cervical mediastinoscopy with lymph node biopsy remains the criterion standard for mediastinal staging.