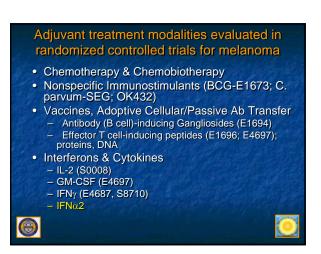
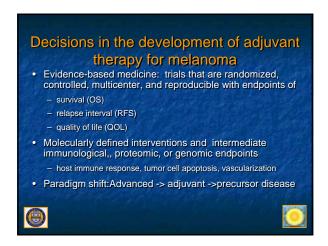
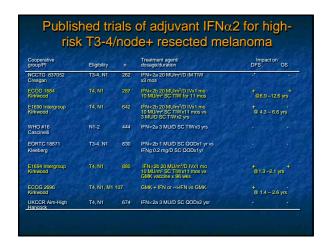
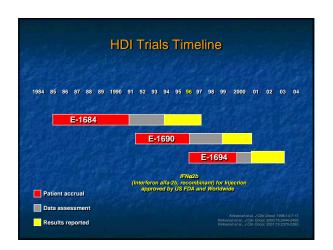


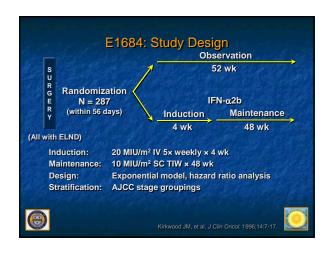
Rationale for evaluation of immunotherapy in adjuvant setting Time required for therapy to induce intermediate effects (immunity) Susceptibility of the host to intervention Expression of antigens by the tumor



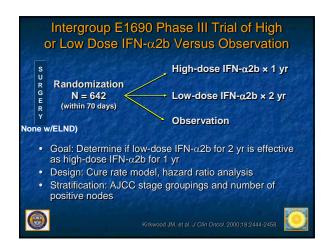


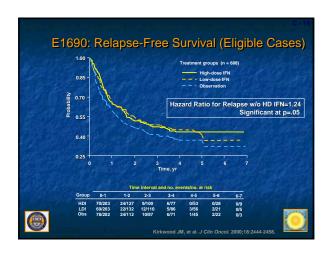


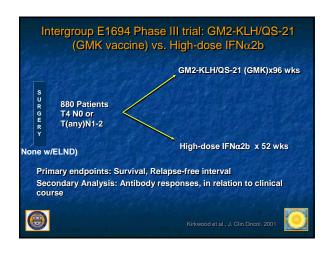


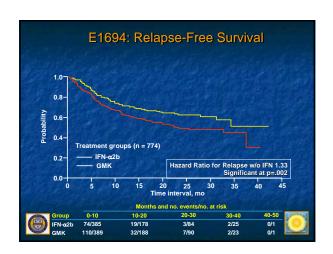


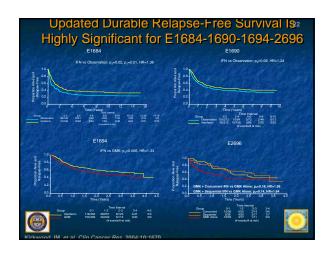


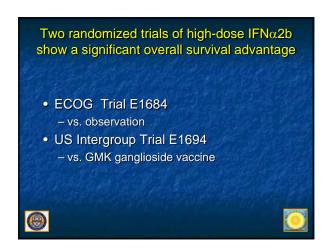




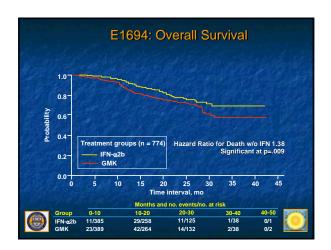


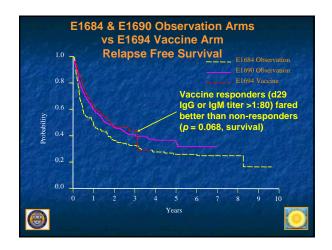


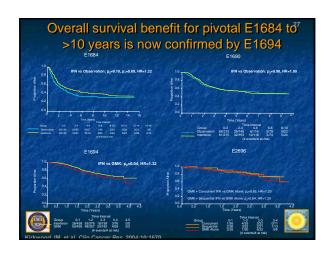


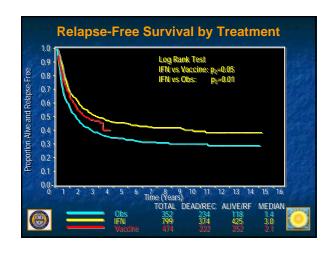


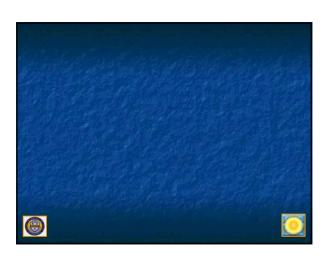




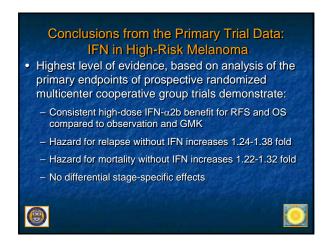


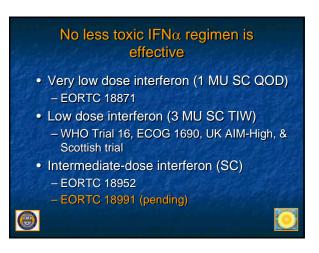


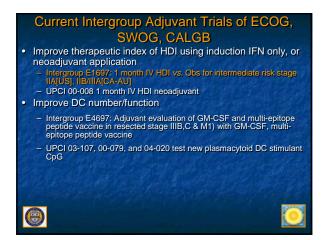


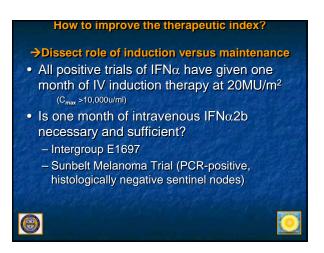


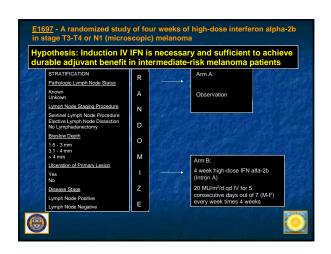


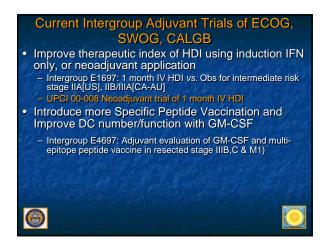


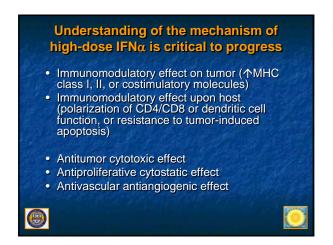




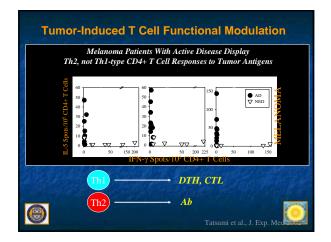


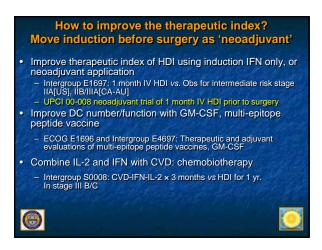


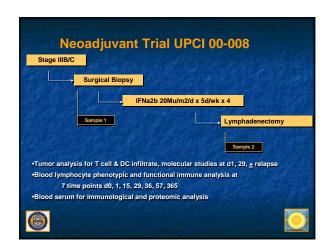


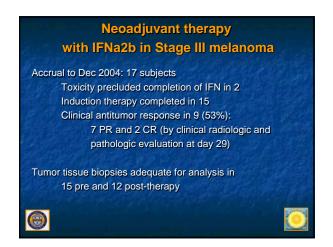


Molecular biology and immunology of melanoma progression are increasingly understood; difficult to evaluate in postoperative adjuvant setting Molecular events in melanoma progression Constitutive activation of Stat3→tolerance (triggers VEGF, IL-10) Anti-apoptotic mechanisms: bcl-2, bax, bcl/xl Immunologic events Loss of MHC class I, II molecule and costimulatory molecule expression Polarization of host response—DC, CD4 and CD8 T cell toward tolerance rather than effector function

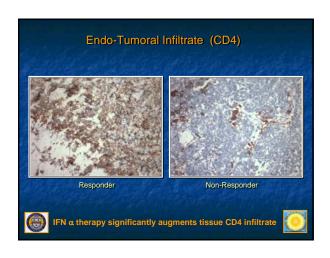




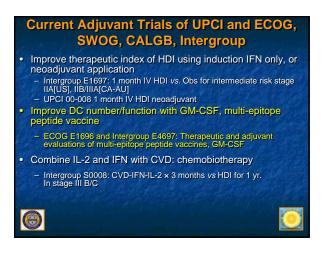


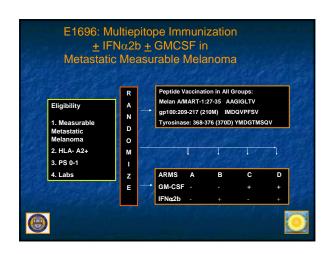


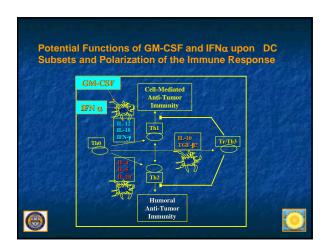


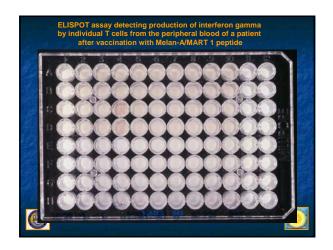


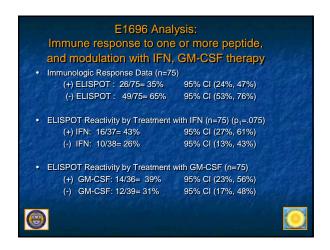


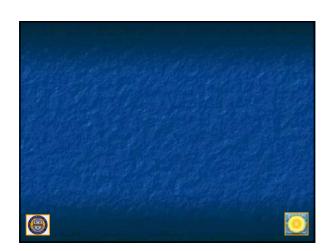


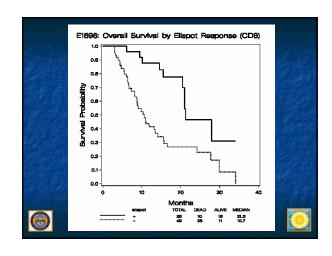


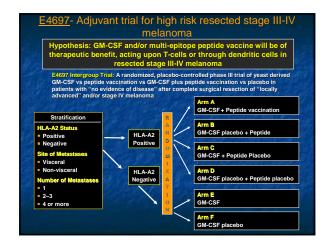


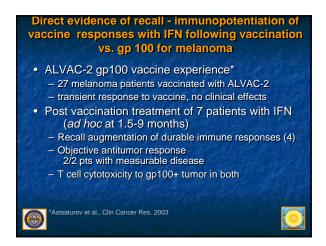


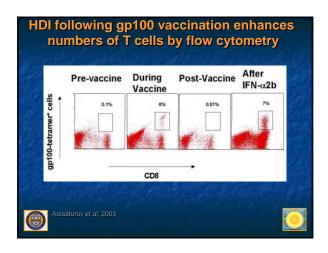


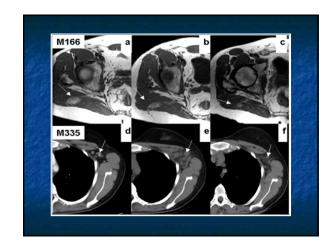












Rigorous analysis of the role of IFN as an immune modulator of vaccines Need prospective analysis of HDI following specific vaccine trials UPCI Trial 04-125 is prospective sequel for ongoing vaccine trials Mart/Melan-A CD4 and CD8 epitope trial (UPCI 99-088) ESO-1 protein/CD4-CD8 epitope trial (UPCI 00-079) αDC1 adoptive transfer (UPCI 03-118)



