Total Cholesterol Abundance in CSF in Children With ALL a at Diagnosis vs. on Maintenance Chemotherapy vs. Normal Controls 4 p = 0.028CSF Total Cholesterol (µM) 0 Diagnosis Maintenance Normal Control Viability of SEM cells *in-vitro* in reduced-serum culture with Simvastatin treatment +/- mevalonate rescue Viability of SEM cells *in-vitro* in reduced-serum culture with Simvastatin treatment +/- cholesterol rescue b C p=0.001_{II} p=0.024 p = 0.001p = 0.014100 100 75 **75** % of cells % of cells Viability of Cells Viability of Cells **50** Apoptotic 50 Apoptotic Viable Viable 25 25 0 Simvastatin * cholesterol Control * cholesterol Control Simvastatin Control d Area of leptomeningeal inflitration of SEM cells *in-vivo* in mice treated with Simvastatin e 1mm Mean area of infiltration per slide (mm2) Sex Female Male 1 Control