

FIGURE 20-5 Video-rate images of collagen/elastin fibers in ex vivo human skin. (a) Image acquired at a depth of 60 μm . (b) Image acquired at a depth of 120 μm at the same location as (a).

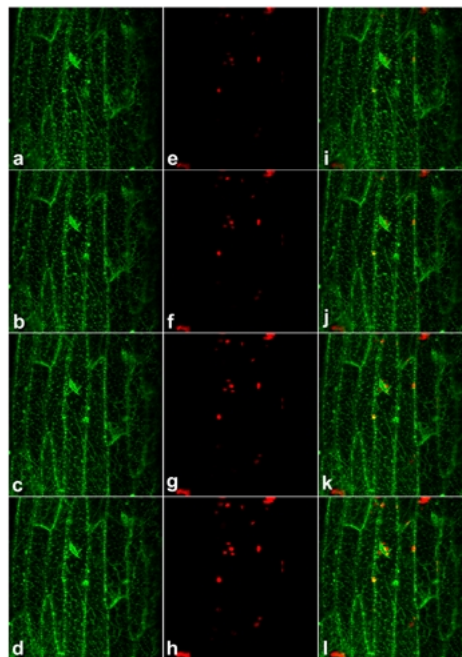


FIGURE 21-7 Simultaneous detection of ER-targeted GFP and autofluorescence of chloroplasts in the cortical region of the hypocotyl of *Arabidopsis* with two-photon femtosecond NIR excitation at 800 nm. (a)–(d) are serial optical sections (obtained at intervals of 0.25 μm) of the cortical ER, while (e)–(h) are the corresponding serial sections showing chlorophyll autofluorescence associated with the chloroplasts. (i)–(l) are electronically merged images of corresponding GFP and chlorophyll fluorescence. Note the distinct presence/association of chloroplasts in the vicinity of the nucleus (arrows), and the reticulate organisation of the cortical ER. The bright green spots associated with the lateral walls correspond to the plasmodesmatal regions.