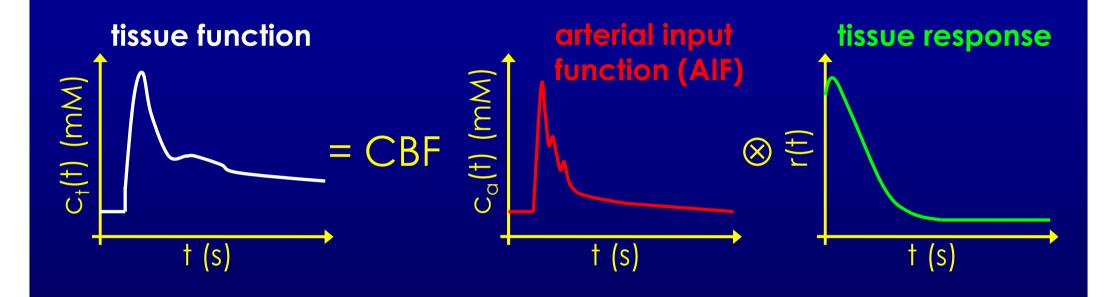
## Perfusion quantification by deconvolution



$$c_t(t) = CBF \cdot c_a(t) \otimes r(t) = CBF \cdot \int_0^t c_a(t') r(t-t') dt'$$

$$MTT = \int r(t)dt$$

$$CBV = CBF \cdot MTT$$

L. Østergaard, Magnetic Resonance in Medicine 1996