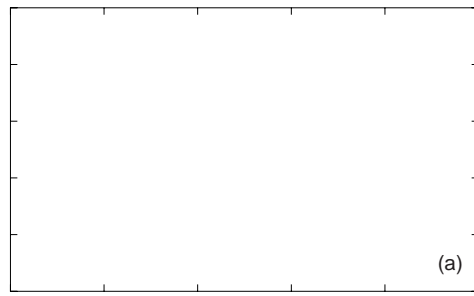


Figure 2. Reference tissue compartment.

2.3. Input function

For head and neck cases, it is difficult to obtain the blood input function directly from the images. Therefore, we propose the use of a reference tissue model. Normal tissues can be



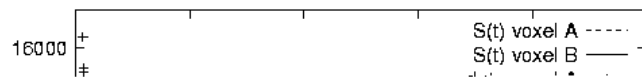


Figure 8. Comparison of the overall curve shapes of voxels *A* and *B*, figure 7.

the corresponding $w_A k_3$ -parameters will have high values and will therefore be situated in the

PET voxel. These facts were not considered by previous models (Casciari *et al* 1995), which

