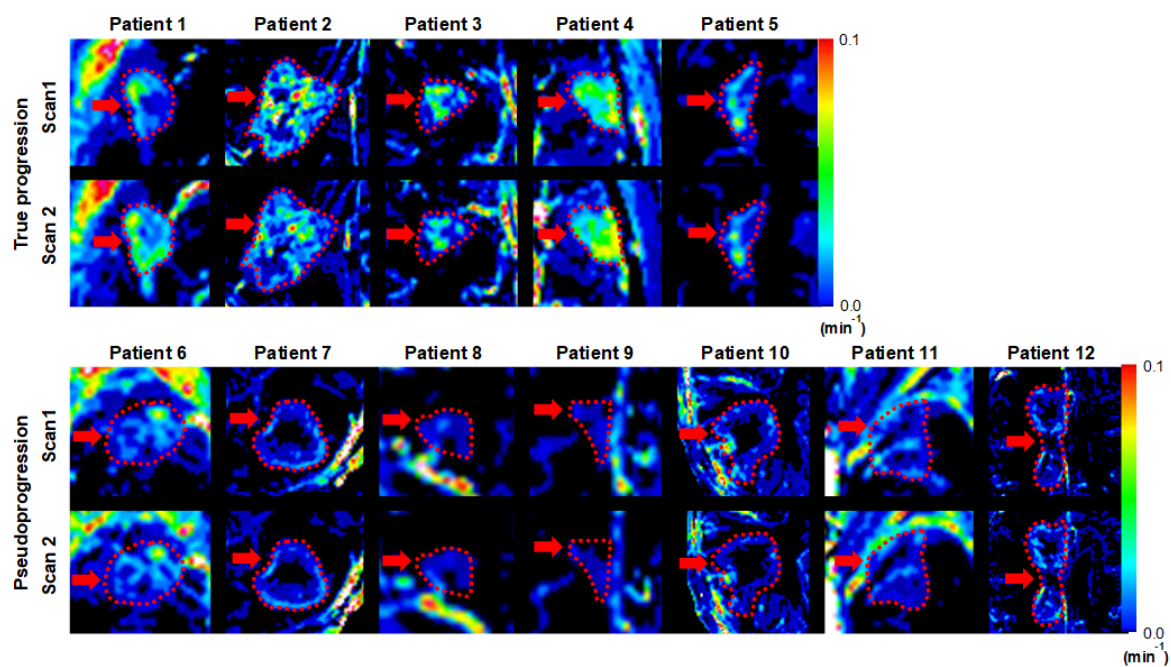
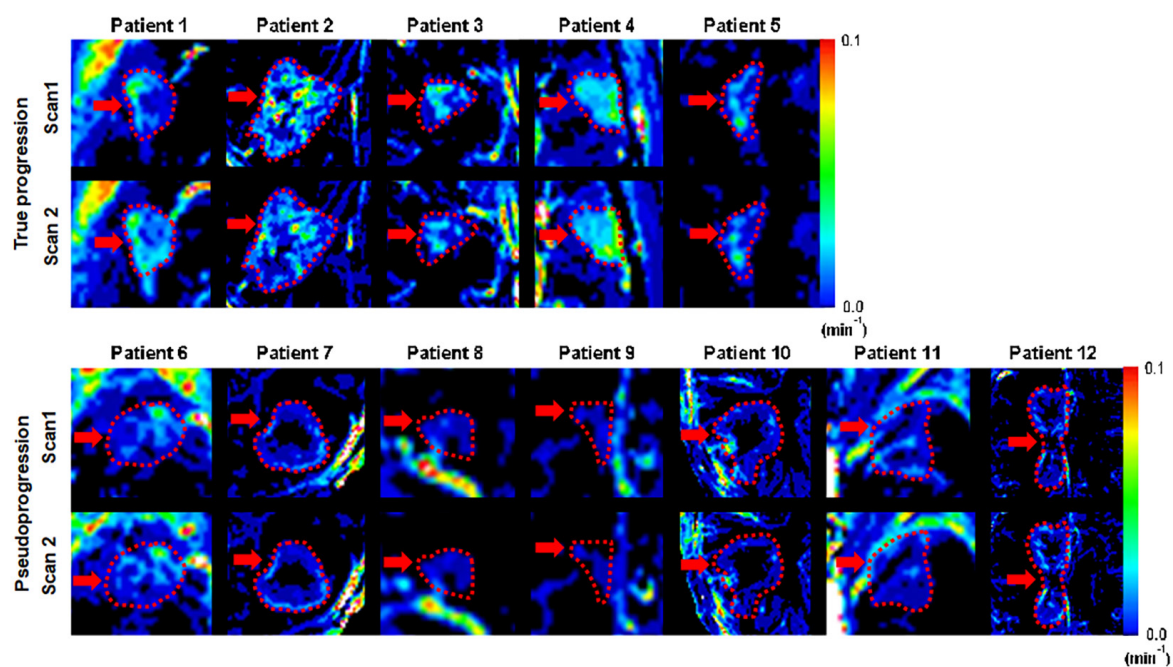


ETM  $K^{trans}$  maps P4-based after error correction

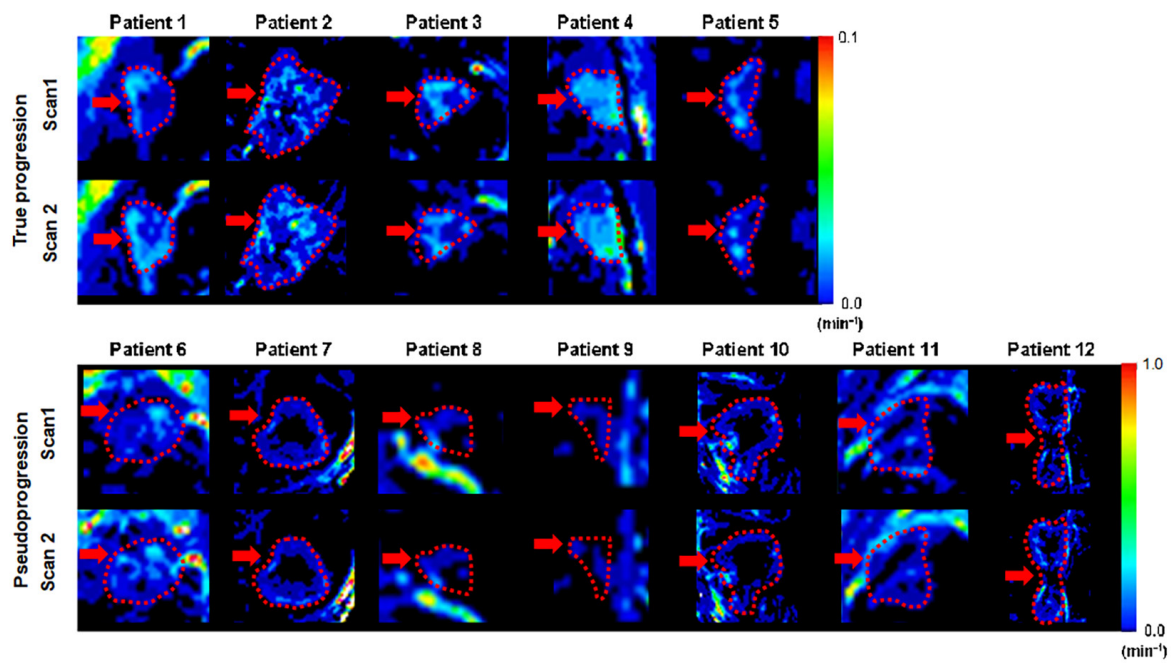
**Figure S1** Extended Tofts model (ETM) based  $K^{trans}$  maps after P4-based error correction of all 12 patients who participated in this study. The region of true or pseudoprogession is indicated with an arrow and a dotted circle in each sub-figure.

TM  $K^{trans}$  maps after P4-based error correction



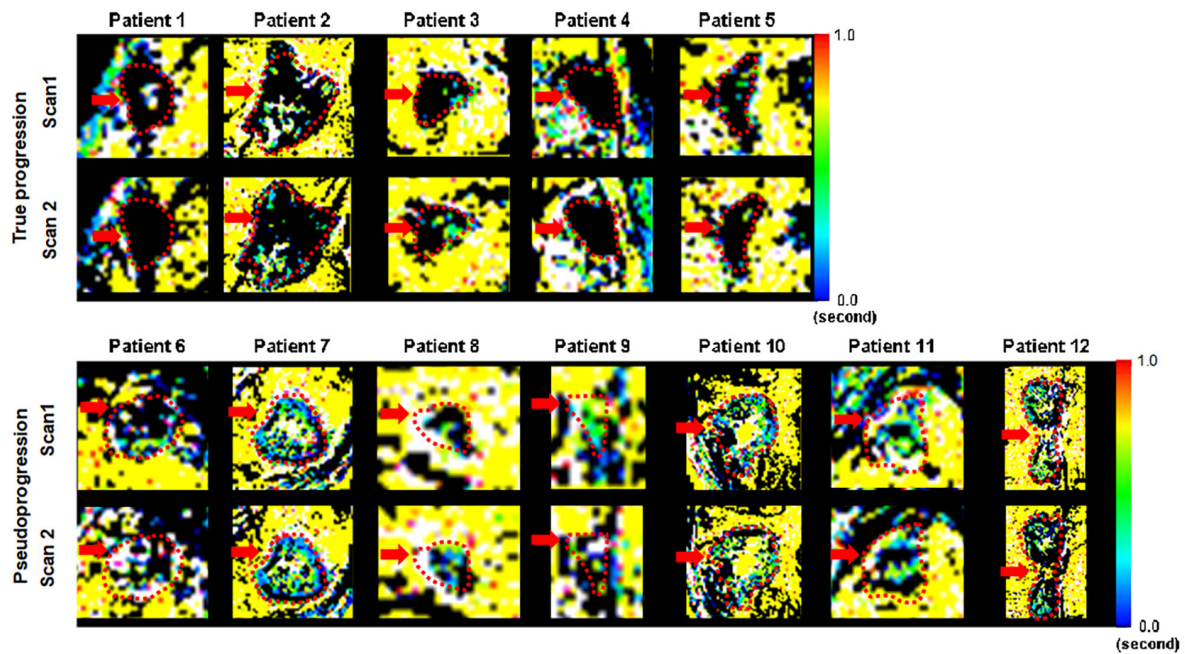
**Figure S2** Tofts model (TM) based  $K^{trans}$  maps after P4-based error correction of all 12 patients who participated in this study. The region of true or pseudoprogression is indicated with an arrow and a dotted circle in each sub-figure.

# SSM $K^{trans}$ maps after P4-based error correction



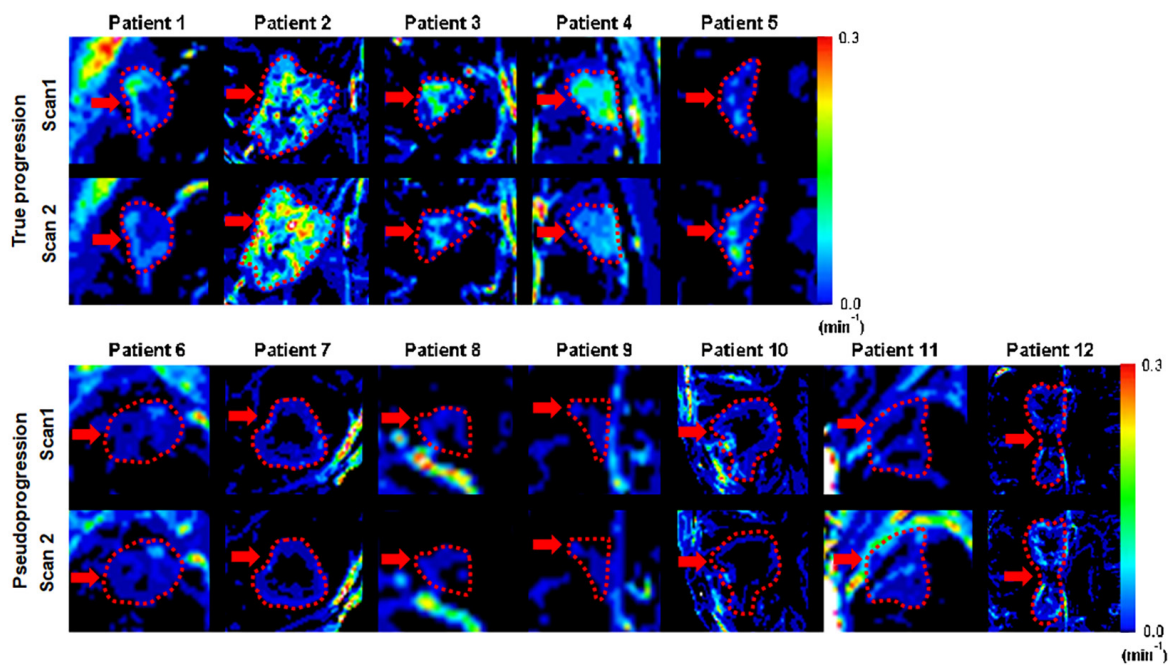
**Figure S3** Shutter speed model (SSM) based  $K^{trans}$  maps after P4-based error correction of all 12 patients who participated in this study. The region of true or pseudoprogression is indicated with an arrow and a dotted circle in each sub-figure.

SSM  $\tau_i$  maps after P4-based error correction



**Figure S4** Shutter speed model (SSM) based  $\tau_i$  maps after P4-based error correction of all 12 patients who participated in this study. The region of true or pseudoprogression is indicated with an arrow and a dotted circle in each sub-figure.

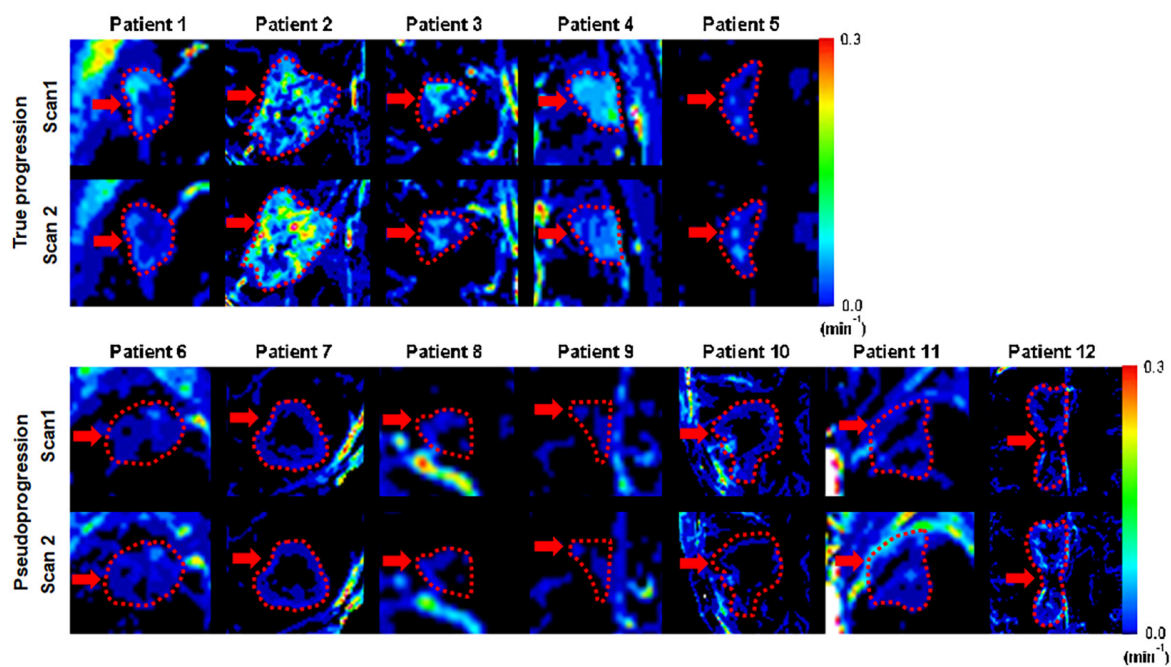
ETM  $K^{trans}$  maps before P4-based error correction



**Figure S5** Extended Tofts model (ETM) based  $K^{trans}$  maps before P4-based error correction of all 12 patients who participated in this study. The region of true or pseudoprogession is indicated with an arrow and a dotted circle in each sub-figure.

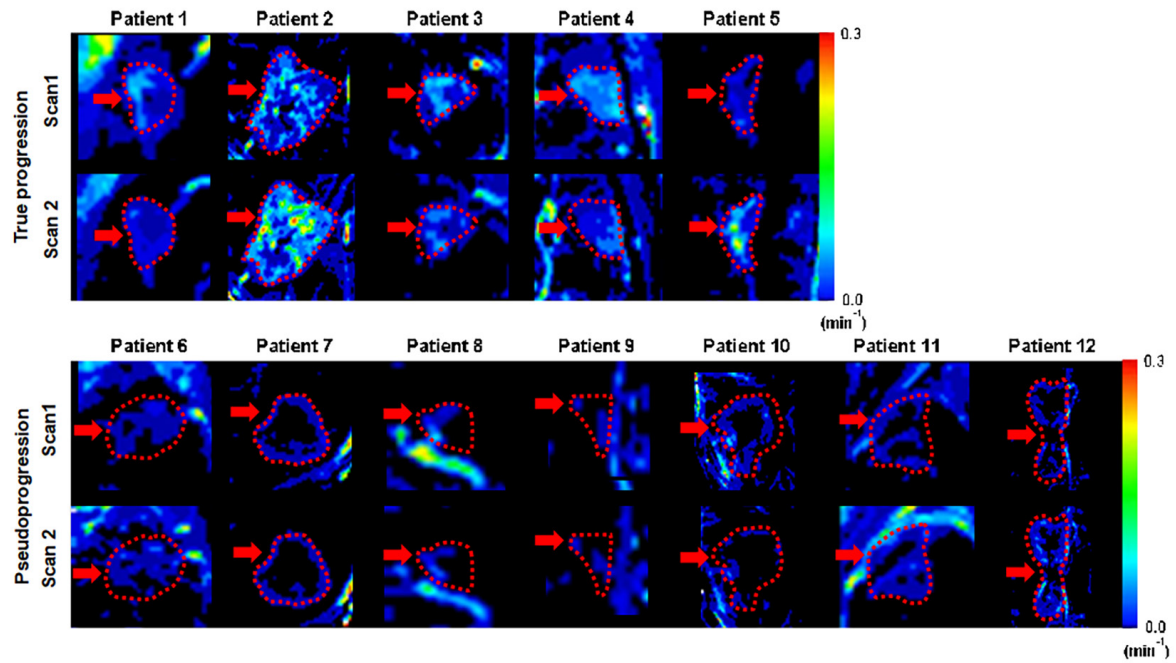


TM  $K^{trans}$  maps before P4-based error correction



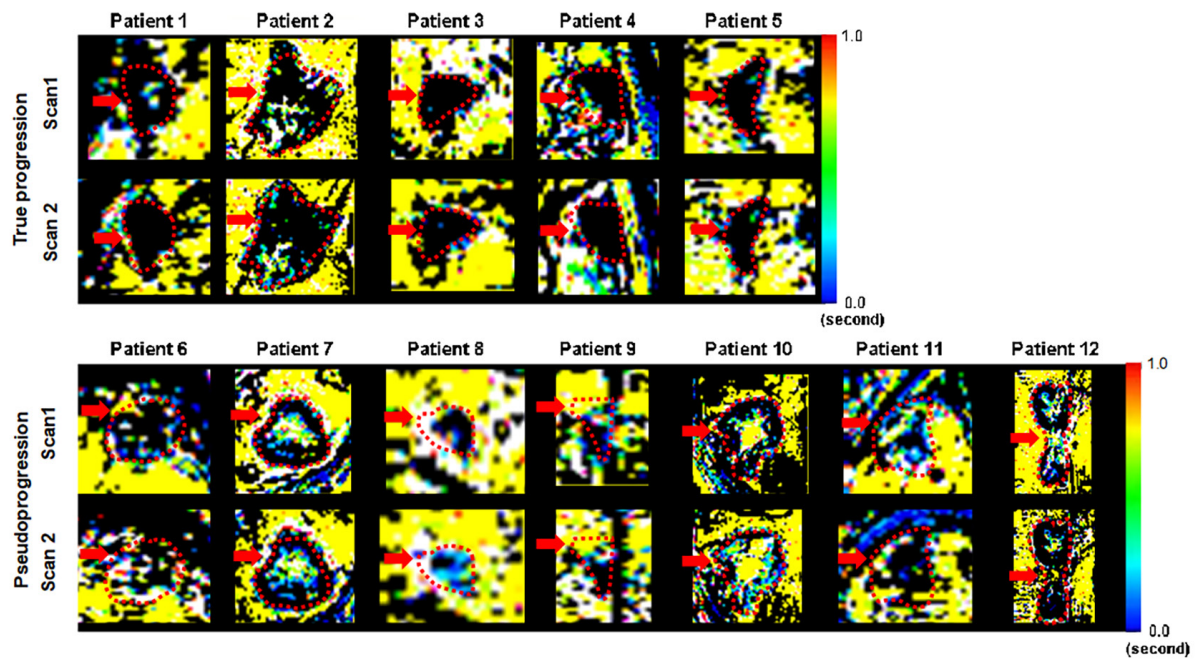
**Figure S6** Tofts model (TM) based  $K^{trans}$  maps before P4-based error correction of all 12 patients who participated in this study. The region of true or pseudoprogression is indicated with an arrow and a dotted circle in each sub-figure.

SSM  $K^{trans}$  maps P4-based before error correction



**Figure S7** Shutter speed model (SSM) based  $K^{trans}$  maps before P4-based error correction of all 12 patients who participated in this study. The region of true or pseudoprogression is indicated with an arrow and a dotted circle in each sub-figure.

SSM  $\tau_i$  maps before P4-based error correction



**Figure S8** Shutter speed model (SSM) based  $\tau_i$  maps before P4-based error correction of all 12 patients who participated in this study. The region of true or pseudoprogression is indicated with an arrow and a dotted circle in each sub-figure.