Two-minute kidney images after simultaneous injection of $^{99m}$Tc(CO)$_3$(NTA) (A) and $^{131}$I-OIH (B) in 74 year old male with stage 3 chronic kidney disease. Whole kidney renogram curve for $^{99m}$Tc(CO)$_3$(NTA) (C) and for $^{131}$I-OIH (D).

$^{99m}$Tc(CO)$_3$(NTA):  
- Clearance: equal to OIH  
- 30/180 min urine excretion: equal to OIH  
- Red cell binding: less than OIH  
- Plasma protein binding: less than OIH  
- No gallbladder or intestinal visualization

$^{99m}$Tc(CO)$_3$(NTA) image quality was excellent compared to that of $^{131}$I-OIH and the renogram curves were almost identical.
- Image quality was uniformly excellent for all three $^{99m}$Tc(CO)$_3$(ASMA) isomers.
- Even though there was no difference in the clearance of the $^{99m}$Tc(CO)$_3$(rac-ASMA) and $^{131}$I-OIH in rats, plasma clearance of the $^{99m}$Tc(CO)$_3$(ASMA) isomers in humans was significantly less than that of $^{131}$I-OIH.