

Title (en)  
IMPROVED MEASUREMENT OF BODY FLUID VOLUMES

Title (de)  
VERBESSERTE MESSUNG VON KÖRPERFLÜSSIGKEITSVOLUMEN

Title (fr)  
AMÉLIORATIONS APPORTÉES À LA MESURE DE VOLUMES DE LIQUIDES CORPORELS

Publication  
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Application  
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Abstract (en)  
[origin: WO2015138702A1] The present invention is related generally to measurement of body fluid volumes in an animal subject. The body fluid volumes of interest include extracellular fluid volume (ECFV), total vascular plasma volume (TVPV) and interstitial fluid volume (IFV). The methods are especially beneficial for subjects suffering from renal failure and particularly those undergoing renal dialysis. ECFV can be measured by administering a first molecule which is non-metabolized and permeable to vessel walls of the vascular system wherein the first molecule is distributed within the total vascular space as well as the interstitial space. TVPV can be measured by administering a second molecule which is non-metabolized and impermeable to vessel walls of the vascular system wherein the second molecule is distributed within only the vascular space. IFV can then be calculated using the equation  $IFV = ECFV - TVPV$ .

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• See references of WO 2015138702A1

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