

Biophysics of the extra-cellular matrix

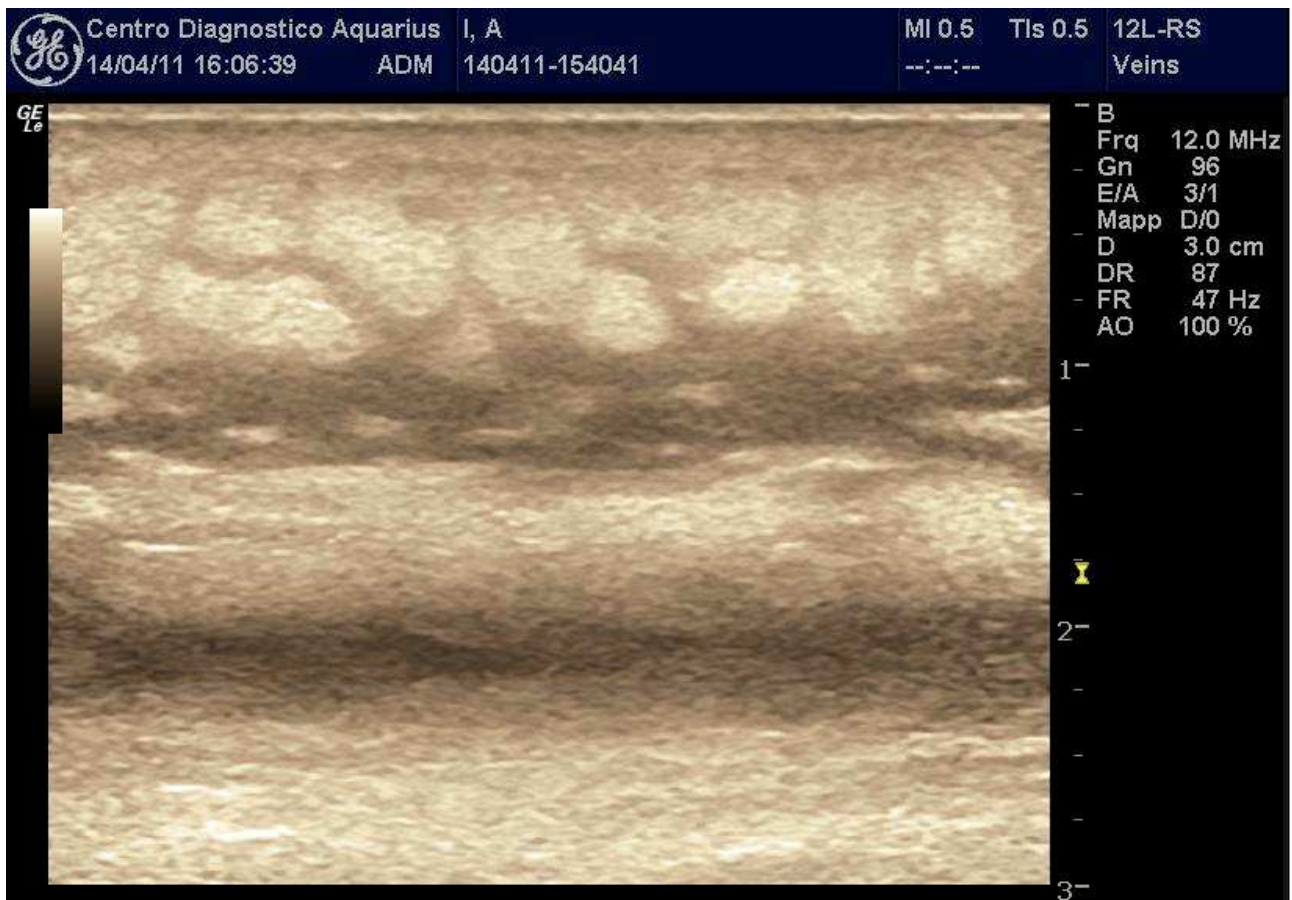
Passariello F.

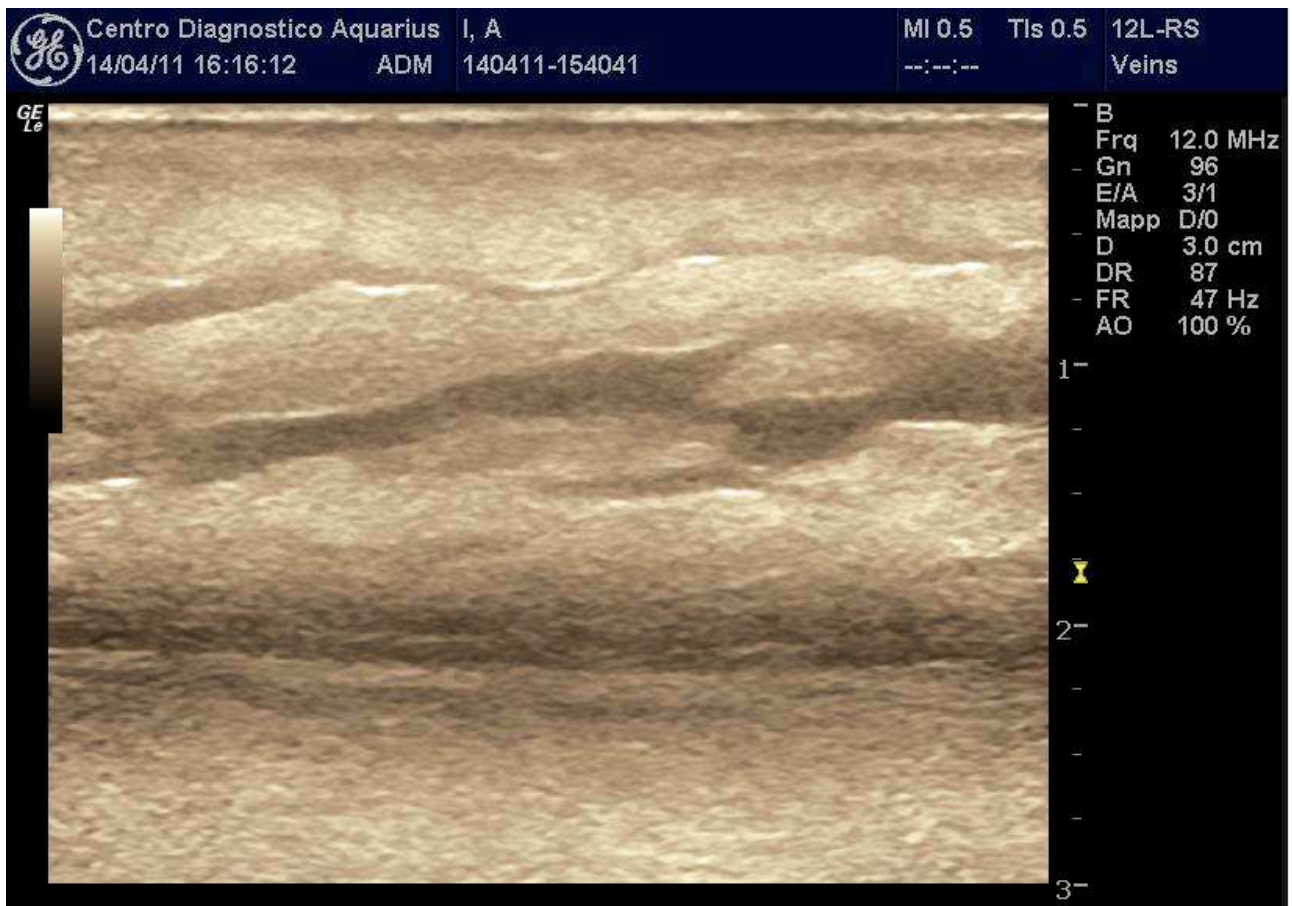
Centro Diagnostico Aquarius, Napoli, Italia

afunzionale@tiscalinet.it www.vasculab.it

Lymph drainage of interstitial fluids is achieved essentially through two pathways: lymph vessels and extracellular matrix (EM).

Fluid flows through EM running in a bed where several structures are completely (bones) or partially (muscles, tendons) impermeable.





Consequently it can be matched to a fluid flow in a porous medium. In Hydrogeology these phenomena obey to the Darcy law, from the name of Henry Darcy, a French engineer from XIX century.