Poster

Successful PTA to Paget-Schroetter Disease in a Case With Antiphospholipid Antibody Syndrome

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Introduction

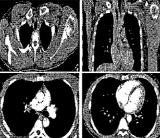
Paget-Schroetter disease, also known as Pagetvon Schrotter disease or upper extremity deep vein with poor effect and persi stent arm swelling. blood clots form in the deep vein of the arms. These thrombus (Figure 4). Medical re fractory DVT was DVT typically occur in the axillary vein or noted hence PTA was performed (Figure 5). anticoagulation and thrombolysis therapy. Here we report a case of antiphospholipid antibody syndrome who developed Paget-Schroetter disease. Successful percutaneous transluminal angioplasty (PTA) was performed after medical refractory DVT was encountered.

Case Report

A 32 year-old man without prior medical history suffered from acute swelling of left arm for one week after left shoulder sprain after lifting heav y things, Shortness of breath developed for 2 -3 days hence he called on our ER for help. CxR (Figure 1) disclosed no specific finding and Chest CT disclosed thrombus over right lower pul monary artery and left subclavian and axillary vein (Figure 2). U ltrasound also disclosed thr ombus in left subclavian and axillary vein (Figure 3)



Fig. 1. CxR disc



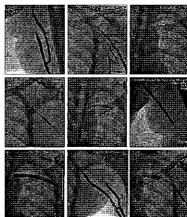


During hospitalization, antiphospholipid antibody syndrome with protein S deficiency , hyperhomocysteinemia was also diagnosed. Hi s homocysteine level was 15 umol/L (4.45-12.42), anti cardiolipid IgG was positive, Beta 2 gl ycoprotein IgG was positive (31.1 u nits, negative < 20), Beta 2 glycoprotein IgM was positive (80.6 unit s, negative < 20), and protein S was 48.6% (normal > 60).

Standard dose of heparin and urokinase was given thrombosis (DVT) is a medical condition in which Ultrasound disclosed recanalization but much residual



Fig. 4. Pollow up ultrasound disclosmuch residual thrombos with poor recanalization of loft subclavian vein.



After PTA, urokinase infusion was given directly via the sheath left over left basilic vein. Follow up angiography two days later dislcosed patent left subclavian vein with litt le residual thrombus. Ultrasound showed patent left subclavian vein (Figure 6) and arm swelling resolved after above managements (Figure 7).



In conclusion, PTA can be an ef fective treatment modality when medical refractor v DVT was noted. such as in this case with Paget-Schroetter disease.