Endovenous treatment of acute iliofemoral vein thrombosis with aspiration thrombectomy catheter – early clinical outcomes Efthymios Beropoulis, Konstantinos Stavroulakis, Angeliki Argyriou, Giovanni Torsello, Theodosios Bisdas VASCUPEDIA ST. FRANZISKUS-HOSPITAL Department of vascular and endovascular surgery, St. Franziskus Hospital, Münster, Germany RESULTS BACKGROUND CONCLUSION Twenty patients (female 13, mean age 57 years old) with acute iliofemoral DVT were analyzed. The The acute deep vein thrombosis (DVT) remains a The endovenous aspiration thrombectomy for median time of symptoms onset and treatment was 2 days (range, 0-3). The mean lesion length major clinical problem in the daily practice, which acute iliofemoral DVT showed very promising amounted 190 mm. Preoperative catheter-directed thrombolysis was applied at one case and affects a great number of in- and out-hospital results regarding successful clot removal for the postoperative at 6. Intraoperatively, lytic agent was used in eight cases. A cava filter was used in 5 patients. The consequences vary from reduced treatment of acute DVT. cases for the prevention of PE. In all but one patient, venous-specific stents were deployed as quality of life to pulmonary embolism (PE) at the adjunctive procedures. The mean length of stay amounted 5 days. There was no clinical record of acute phase up to development of postthrombotic postprocedural PE, whereas a clinical improvement was documented at all cases. Primary treatment REFERENCES syndrome (PTS). Except of few indications, the vast success and freedom from any major or minor adverse events at 30 days amounted 100 %. During the majority of these patients are treated conservatively. follow-up period, an asymptomatic stent-occlusion was observed. Mahnken et al. CIRSE standards of practice guidelines on iliocaval stenting. CVIR. 2014;37(4):889-897. AIM ₫2. Liu et al. Comparison of direct iliofemoral stenting following Angiojet rheolytic thrombectomy vs staged stenting after Angiojet rheolytic thrombectomy plus catheter-directed Aim of our study was to evaluate the safety and thrombolysis in patients with acute deep vein thrombosis. efficacy of aspiration thrombectomy catheter for JEVT. DOI: 10.1177/1526602817714570 the treatment of acute lower limb DVT Garcia et al. Endovascular Management of Deep Vein Thrombosis with Rheolytic Thrombectomy: Final Report of the Prospective Multicenter PEARL (Peripheral Use of **METHODS** AngioJet Rheolytic Thrombectomy with a Variety of Catheter Lengths) Registry. JVIR. DOI: 10.1016/j.jvir.2015.01.036 Prospectively collected data of patients treated with 4 Comerota AJ. Thrombolysis for deep vein thrombosis. JVS an aspiration thormbectomy catheter (Indigo, 2012:55:607-611 Penumbra) for acute DVT from December 2015 to 5. Vedantham et al. Quality improvement guidelines fort he January 2018 were analyzed. In all cases, the CAT8 treatment of lower-extremity deep vein thrombosis with XTorg thrombectomy catheter was used. Adjunctive use of endovascular thrombus removal. JVIR. 2014;25:1317procedures and/or catheter-directed thrombolvsis 1325 was left at the decision of the treating physician. DISCLOSURES Primary treatment success was defined as antegrade flow and maximal luminal stenosis of 30

% assessed on the final procedural venography and

evidence of a spontaneous Doppler signal in the

treated vein segment.

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