ENDOPROSTHESIS AND HYPOGASTRIC THROMBOSIS AFTER PROTHROMBIN COMPLEX CONCENTRATE ADMINISTRATION-
A REAL NIGHTMARE!!!!

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1. INTRODUCTION

Prothrombin complex concentrate (PCC) is used to treat severe bleeding in patients receiving anticoagulant therapy.

2. MATERIAL, METHODS

A man aged 72 was referred to our center with a ruptured abdominal aortic aneurysm. He was under treatment with warfarin due to a mechanic valve and presented an international normalized ratio of 4. At the emergency room he was given PCC, but no one informed the surgeon. We performed a percutaneous endovascular repair with no complication, except in the last angiography, in which we observed a partial endoprosthesis and hypogastric thrombosis and an embolus at tibioperoneal trunk of right lower limb. We were informed then that the patient was given PCC, so we administered 100 UI/kg heparin. We performed an embolectomy through the right common femoral artery. We performed an angiography through the left humeral artery, and we observed then that the thrombus in the endoprosthesis was solving, but both hypogastric arteries were thrombosed. We managed to go to both and try to aspirate the thrombus, but we achieved just to open partially the left hypogastric artery.

3. RESULTS

24 hours after the procedure the patient presented with a localized right buttock ischemic lesion. Seven days after the procedure he does not suffer of colorretal ischemia or paralysis. 30 days follow CT angio shows both hypogastric patency. The buttock lesion disappeared.

4. CONCLUSIONS

PCC in vascular patients that are going to receive an endovascular treatment should be avoided due to the high risk of prosthesis thrombosis. Communication between specialist and emergency physician is mandatory.