

Appendix 1 Patient perspective

After delivery, I found myself to have lower extremity edema. Local doctors conducted a physical examination and ultrasonography, which indicated that I had left common and external iliac vein thrombosis. Therefore, I took the doctors' advice and undertook inferior vena cava (IVC) filter placement. Three months later, I visited Wuhan Union Hospital for filter removal. The vascular surgeons tried an endovascular approach two times, but this failed. I felt pain and was transferred to the urology department. The urologists asked me to undergo computed tomography venography. The result showed that the struts had perforated 7.5 mm outside the cava wall. The surgeons advised me to undergo robotic-assisted filter retrieval, and

I agreed. The operation was successful, and I felt great. No complications occurred postoperatively, and I have returned to normal life.

In summary, after nearly half a year of the disease, I have the following thoughts:

I think the robotic-assisted surgery was amazing, as it could accomplish this complex operation. I am very satisfied with the proactive response of all the hospital staff, with a rapid response to the initial diagnosis and the quality of the different surgeries and treatments available thus far. I would also like to highlight the humane treatment and accessibility when needing any consultation. I will move forward with a positive attitude and follow the advice and treatment of professionals to fight against and defeat this disease.

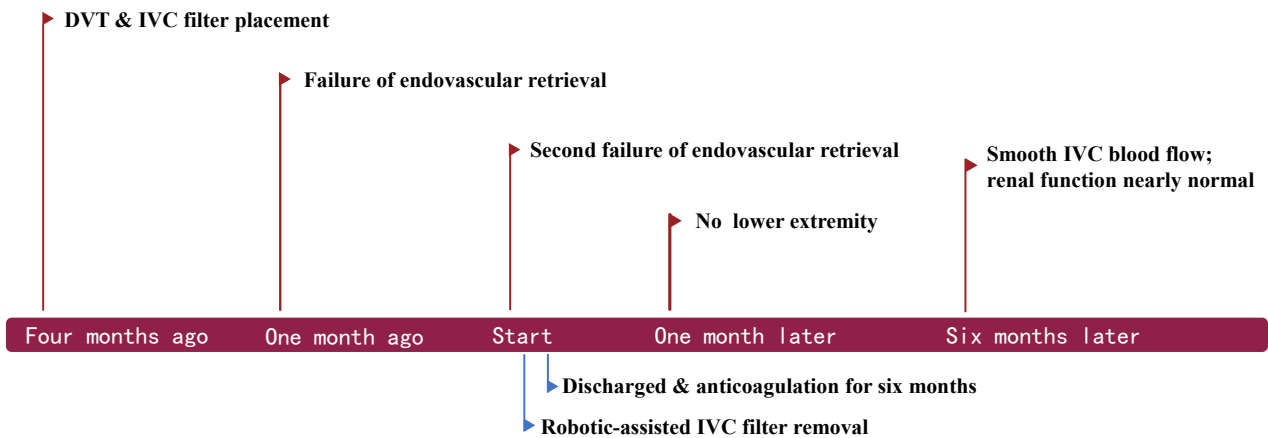


Figure S1 A timeline of the diagnosis and treatment procedures. DVT, deep vein thrombosis; IVC, inferior vena cava.