

Stent-Graft

: 1 1

. . 2 . .

2가 가 .
가 ,
가

stent-graft

2cm 가
3.5 × 6cm 가
(fusiform) (saccular) 2가 가 , (Fig. 1B). CT 가 (Fig. 1C).

가 (1).

17
stent-graft

tent-graft

umbilical tape 18
G needle (guide wire)

17 가 26mm, 5cm stent-graft
(Vanguard; Boston Scientific Corporation, Garoi, Ire-land)가
stent-graft가

(CT) 가
(lobulated) 가

(Fig. 1D) 1 CT

(Fig. 1A).

CT (Fig. 1E). 6 , 12

CT 가
(Fig. 1F).

(pulsa-
tion)

30 가 (1-

5).
(phlebectasis)

14

(1-5). Ream
(tunica adventitia)

1
2
1999 9 16 1999 10 30

(2)

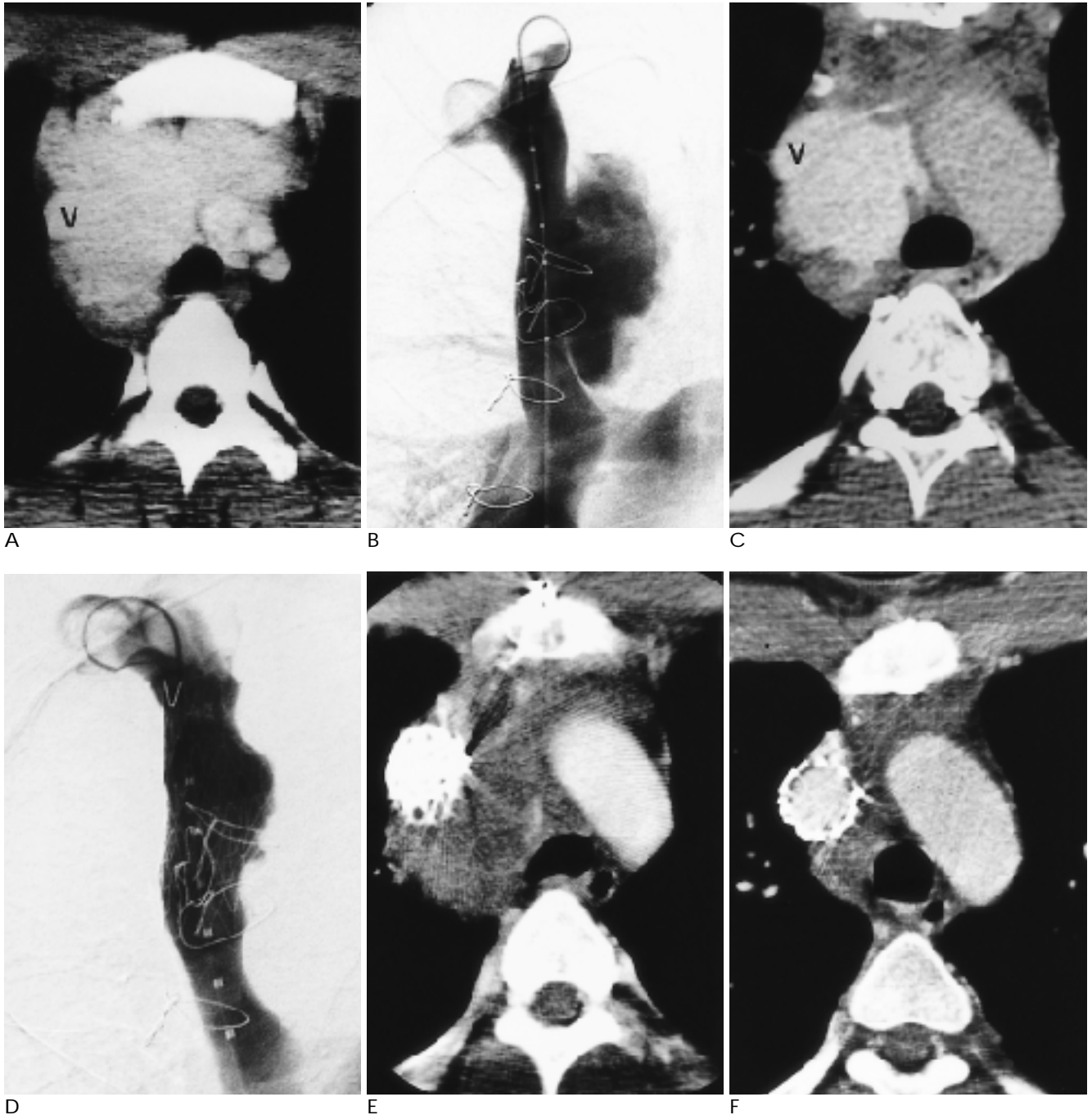
(longitudinal muscular coat)

가

(underlying neoplasm)

(stalk) 가

가



A

B

C

D

E

F

Fig. 1. 17-year-old man with a saccular aneurysm of the SVC.

A. Chest CT scan shows a relatively well-demarcated highly enhancing mass in the anterior mediastinum with posterior extension between the SVC(V) and arch vessels.

B. Digital subtraction venogram demonstrates a large saccular aneurysm of the SVC.

C. Spiral CT scan shows the saccular aneurysm in the posteromedial side of the SVC(V).

D. Digital subtraction venogram obtained immediately after insertion of a stent-graft shows complete exclusion of the aneurysm.

E. Spiral CT scan obtained seven days after stent-graft placement reveals thrombosis of the aneurysm with no evidence of filling with contrast media.

F. Follow up spiral CT scan obtained 12 month after the procedure shows nearly complete resolution of the thrombosis within a-aneurysm with minimal residual pericaval soft tissue density.

- 2가 가 . stent-graft 16F
24F . stent-graft
가 . 21F
가 가 가 가 (10).
(1). 가 stent-graft 가 stent-
Lawrence (5) 2mm 가 stent-
가 graft가 stent-
(1,4). graft가
(8)
(4). 가 s-
, tent-graft 가 .
stent-graft 1991 Parodi (6)
stent-graft stent-graft
가 ,
stent-graft
stent-graft
(7). stent-graft
가 (8,9).
stent-graft가 . Chin(10)
, stent-graft 3
가 stent-graft가
stent-graft
가 12
가
1. Yokomise H, Nakayama S, Aota M, Daitoh N, Katsura H. Systemic venous aneurysms. *Ann Thorac Surg* 1990;50:460-462
 2. Ream CR, Giardina A. Congenital superior vena cava aneurysm with complications caused by infectious mononucleosis. *Chest* 1972; 62:755-757
 3. Rappaport DC, Ros PR, Moser RP. Idiopathic dilatation of the thoracic venous system. *Can Assoc Radiol J* 1992;43:385-387
 4. Pasic M, Schopke W, Vogt P, von Segesser L, Schneider J, Turina M. Aneurysm of the superior mediastinal veins. *J Vasc Surg* 1995; 21:505-509
 5. Lawrence GH, Burford TH. Congenital aneurysm of the superior vena cava. *J Thoracic Surg* 1956;31:327-328
 6. Parodi JC, Palmaz JC, Barone HD. Transfemoral intraluminal graft implantation for abdominal aortic aneurysms. *Ann Vasc Surg* 1991; 5:491-499
 7. Murphy KD, Richter GM, Henry M, Encarnacion CE, Le VA, Palmaz JC. Aortoiliac aneurysms: management with endovascular stent-graft placement. *Radiology* 1996;198:473-480
 8. , , . stent-graft 1995;33:361-366
 9. , , . Gianturco PTFE 1999;40:21-30
 10. Chin DH, Petersen BD, Timmermans H, Rosch J. Stent-graft in the management of superior vena cava syndrome. *Cardiovasc Intervent Radiol* 1996;19:302-304

Endovascular Stent-Graft Placement for the Treatment of the Aneurysm of the Superior Vena Cava : A Case Report¹

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Venous aneurysm of the superior vena cava(SVC) is a rare congenital lesion and can be classified morphologically as either fusiform or saccular. Although there is a controversy with regard to the need for either conservative or surgical treatment, surgery is recommended for the saccular type as major complications of the aneurysm may occur. We report a case of saccular aneurysm of the SVC, treated by means of an endoluminal stent-graft.

Index words : Venae cavae, abnormalities

Venae cavae, interventional procedure

Venae cavae, graft and prostheses

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