

가

1

2

가

가

가

Zenith (Cook,

Brisbane, Australia)

1990

28 mm,

13.3 cm,

10.3 cm

(1 - 3).

16

mm, 5.4 cm

가

16 mm,

7.1 cm

(Fig. 1D).

4

5

72

가

14

10 mm,

8 cm

가

Zilver

(Cook, Bjaeverskov, Denmark)

1.5 cm

4

(Fig. 1E, F).

cm

가

(Fig. 1A).

가 37 cm/sec

가

가

6.2 cm

×5.1 cm

가

(Fig. 1B, C).

10 mm

가

가

1.5 cm

(Fig. 1G).

1

2

2006 11 24

2007 2 28

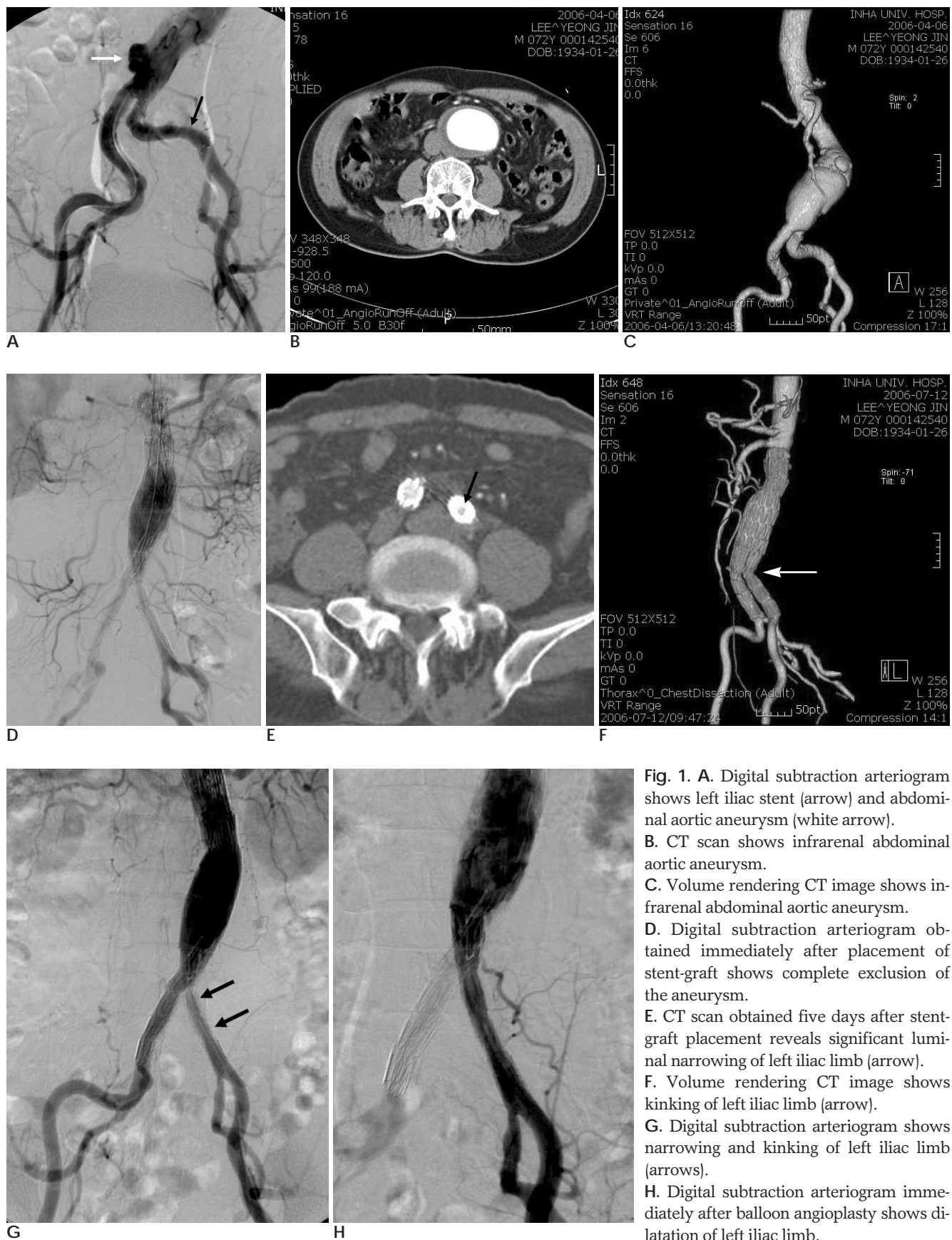


Fig. 1. A. Digital subtraction arteriogram shows left iliac stent (arrow) and abdominal aortic aneurysm (white arrow). B. CT scan shows infrarenal abdominal aortic aneurysm. C. Volume rendering CT image shows infrarenal abdominal aortic aneurysm. D. Digital subtraction arteriogram obtained immediately after placement of stent-graft shows complete exclusion of the aneurysm. E. CT scan obtained five days after stent-graft placement reveals significant luminal narrowing of left iliac limb (arrow). F. Volume rendering CT image shows kinking of left iliac limb (arrow). G. Digital subtraction arteriogram shows narrowing and kinking of left iliac limb (arrows). H. Digital subtraction arteriogram immediately after balloon angioplasty shows dilatation of left iliac limb.

10 mm, 4 cm (ATB Advance, Cook,
Bloomington, U.S.A.) (Inflator, Guidant, Indianapolis,
U.S.A.) 1 10 2

(Fig. 1H)

3

1991 Parodi (1)
Dacron Palmaz

가 가

(2, 3).
EUROSTAR

(4).

0.4%

(4, 5).
가

8.7%

(6, 7).

EUROSTAR
2,846

(10).

32 , 20

(6).
, 7

(6).

가

가

(8).

4 , 5

가

1.5 cm

10 mm 가

16 mm 가

. Amesur

(9)

가

가

가

cm (9).

가

(7).

3 2

가
10 mm

가

가

가

가

가

가

1. Parodi JC, Palmaz JC, Barone HD. Transfemoral intraluminal graft implantation for abdominal aortic aneurysm. *Ann Vasc Surg* 1991; 5:491-499
2. Becquemin J, Bourriez A, D'Audiffret A, Zubilewicz T, Kobeiter H, Allaire E, et al. Mid-term results of endovascular versus open repair for abdominal aortic aneurysm in patients anatomically suitable for endovascular repair. *Eur J Vasc Endovasc Surg* 2000;19:656-661
3. Matsumura JS, Brewster DC, Makaroun MS, Naftel DC. A multicenter controlled clinical trial of open versus endovascular treatment of abdominal aortic aneurysm. *J Vasc Surg* 2003;37:262-271
4. Van Marrewijk CJ, Fransen G, Laheij RJ, Harris PL, Buth J, EUROSTAR Collaborators. Is a type I endoleak after EVAR a harbinger of risk? Causes and outcome of open conversion and aneurysm rupture during follow up. *Eur J Vasc Endovasc Surg* 2004;27:128-137
5. Cuypers P, Buth J, Harris PL, Gevers E, Lahey R. Realistic expectations for patients with stent-graft treatment of abdominal aortic aneurysms. Results of a European multicentre registry. *Eur J Vasc Endovasc Surg* 1999;17:507-516
6. Hobo R, Buth J, EUROSTAR collaborators. Secondary interventions following endovascular abdominal aortic aneurysm repair using current endografts. a EUROSTAR report. *J Vasc Surg* 2006;43: 896-902
7. Laheij RJ, Buth J, Harris PL, Moll FL, Stelter WJ, Verhoeven EL. Need for secondary interventions after endovascular repair of abdominal aortic aneurysms. Intermediate-term follow-up results of a European collaborative registry (EUROSTAR). *Br J Surg* 2000;87: 1666-1673
8. Buth J, Laheij RJ. Early complications and endoleaks after endovascular abdominal aortic aneurysm repair; report of a multicenter study. *J Vasc Surg* 2000;31:134-146
9. Amesur NB, Zajko AB, Orons PD, Makaroun MS. Endovascular treatment of iliac limb stenoses or occlusions in 31 patients treated with the ancure endograft. *J Vasc Interv Radiol* 2000;11:421-428
10. Hölzenbein TJ, Kretschmer G, Dorfner R, Thurnher S, Sandner D, Minar E, et al. Endovascular management of endoleaks after transluminal infrarenal abdominal aortic aneurysm repair. *Eur J Vasc Endovasc Surg* 1998;16:208-217

J Korean Radiol Soc 2007;56:335 - 338

Endovascular Stent-Graft Placement and Secondary Intervention for Abdominal Aortic Aneurysm in a Patient who had a Previously Inserted Iliac Stent¹

Yong Sun Jeon, M.D., Soon Gu Cho, M.D., Kee Chun Hong, M.D.²

¹Department of Radiology, Inha University College of Medicine

²Department of Surgery, Inha University College of Medicine

Endovascular repair of abdominal aortic aneurysm is associated with low morbidity and mortality rates when compared to open surgery, and this can be used in patients who are at a high risk for open surgical repair. Also, secondary intervention is an important for achieving intermediate and long term success of endovascular repair of abdominal aortic aneurysm as this can resolve complications. We report here on endovascular stent-graft placement and a secondary interventional procedure in the abdominal aortic aneurysm of a patient who had a previously inserted iliac stent.

Index words : Aneurysm, aortic
Aneurysm, therapy
Arteries, iliac
Stents and prostheses

Address reprint requests to : Yong Sun Jeon, M.D., Department of Radiology, Inha University Hospital,
7-206, 3rd St., Shinheung-dong, Choong-gu, Incheon 400-711, Korea
Tel. 82-32-890-2769 Fax. 82-32-890-2743 E-mail: radjeon@korea.com