

Bilateral carotid stenting by (unilateral) transradial approach

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Disclosure Statement of Financial Interest

I, Luís Fernando Alves Campos DO NOT have a financial interest/arrangement or affiliation with one or more organizations that could be perceived as a real or apparent conflict of interest in the context of the subject of this presentation.

RCBS, 66yo, male.

History of Transient Ischemic Attacks,
manifesting as *amaurosis fugax* on left eye.

HTN

Type 2 diabetes

Prostate cancer in chemotherapy

Duplex carotid scan: Bilateral stenosis

Left IC



Vel= 506.7 cm/s

Right IC

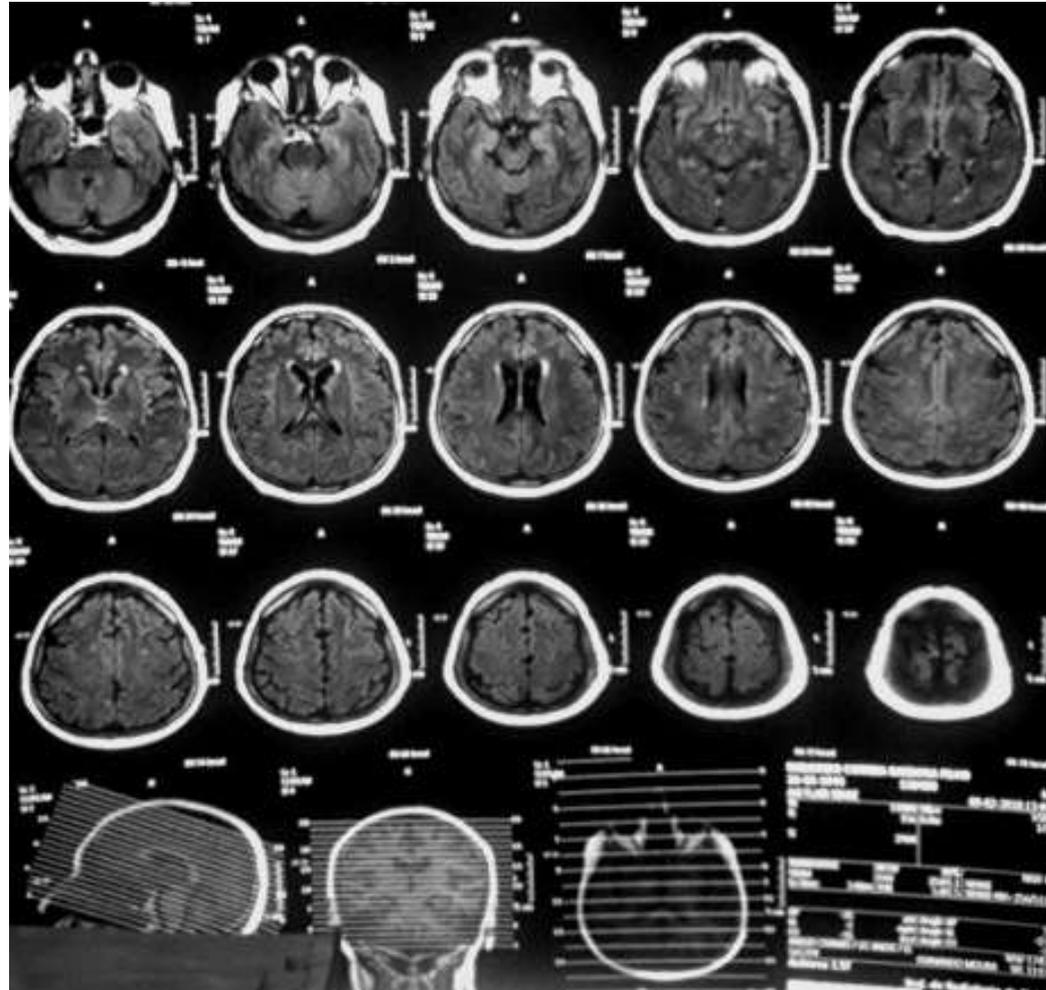


Vel= 250.3 cm/s

AngioCT: Inconclusive due to massive calcification



Brain MR: unremarkable



Abdominal CT: chronic aortoiliac occlusion



Therapeutic plan:

Bilateral carotid stenting by unilateral transradial approach, in two steps, if positive angiography.

Therapeutic plan:

1st) Optimized clinical treatment

2nd) Treat the most severe stenosis – LIC

3rd) Treat the contralateral artery, 30 days after

03/01/2010

LEFT carotid stenting

Catheterization through RIGHT Radial artery

Deployed Wallstent 7x50mm

View size: 503 x 503

Cerebr: 2 fps — unnamed

WL: 128 WW: 256

01032010093618

1



Zoom: 49% Angle: 0

Im: 6/14

Uncompressed

01/03/10 10:00:47

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In Partnership
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TRANSCATHETER CARDIOVASCULAR THERAPEUTICS
THE WORLD'S PREMIER INTERVENTIONAL EXPERIENCE

View size: 587 x 587
WL: 128 WW: 256

Cerebr: 2 fps — unnamed
01032010095618
1



Zoom: 57% Angle: 0
Irr: 5/11
Uncompressed

01/03/10 10:06:28
Made In OsiriX

Image size: 1921 x 1428
View size: 583 x 583
WL: 128 WW: 256
Cerebr: 2 fps — unnamed
01032010093618
1



Zoom: 57% Angle: 0
Im: 6/22
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01/03/10 10:02:04
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View size: 553 x 553
WL: 454 WW: 909

Cerebr: 2 fps — unnamed
01032010093618
1

Zoom: 54% Angle: 0
Im: 1/4
Uncompressed

01/03/10 10:40:38
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Pre-dilatation

View size: 553 x 553

WL: 128 WW: 256

Cerebr: 2 tps - unnamed

01032010093618

1

Zoom: 54% Angle: 0

Im: 3/4

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TRANSCATHETER CARDIOVASCULAR THERAPEUTICS
THE WORLD'S PREMIER INTERVENTIONAL EXPERIENCE



View size: 588 x 588
WL: 128 WW: 256

Cerebr: 2 fps - unnamed
01032010093618
1



Zoom: 57% Angle: 0
Im: 6/11
Uncompressed

01/03/10 10:42:33
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View size: 582 x 582
WL: 128 W/W: 256

Cerebr: 2 fps — unnamed
01032010093618
1



Zoom: 57% Angle: 0
Im: 7/13
Uncompressed

01/03/10 10:54:33
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TRANSCATHETER CARDIOVASCULAR THERAPEUTICS
THE WORLD'S PREMIER INTERVENTIONAL EXPERIENCE

View size: 632 x 592
WL: 115 WW: 454

Cerebr: 2 fps — unnamed
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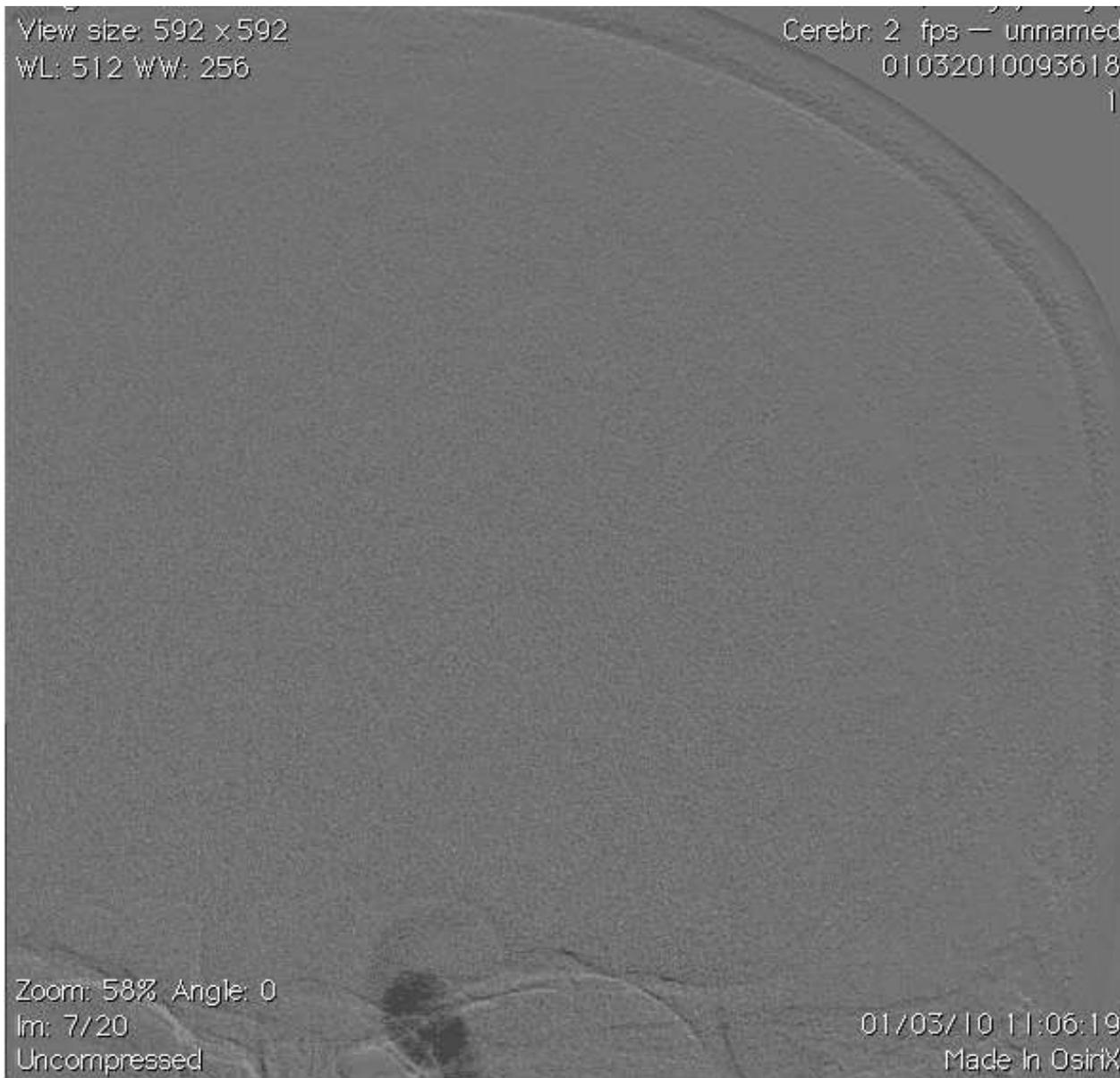


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Made In OsiriX

View size: 592 x 592
WL: 512 WW: 256

Cerebr: 2 fps — unnamed
01032010093618
1



Zoom: 58% Angle: 0
Im: 7/20
Uncompressed

01/03/10 11:06:19
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In-hospital evolution:

No neurologic deficits

No functional status impairment

No medical complications

Hospital discharge after two days, in use:

ASA 100mg/day, for life

Clopidogrel 75mg/day, for 30 days

Atorvastatin 20mg/day

03/30/2010

RIGHT carotid stenting

Catheterization through RIGHT Radial artery

Deployed Wallstent 7x40mm

View size: 585 x 585
WL: 128 WW: 256

Cerebr: 2 fps — unnamed
01032010093618
1



Zoom: 57% Angle: 0
Im: 6/12
Uncompressed

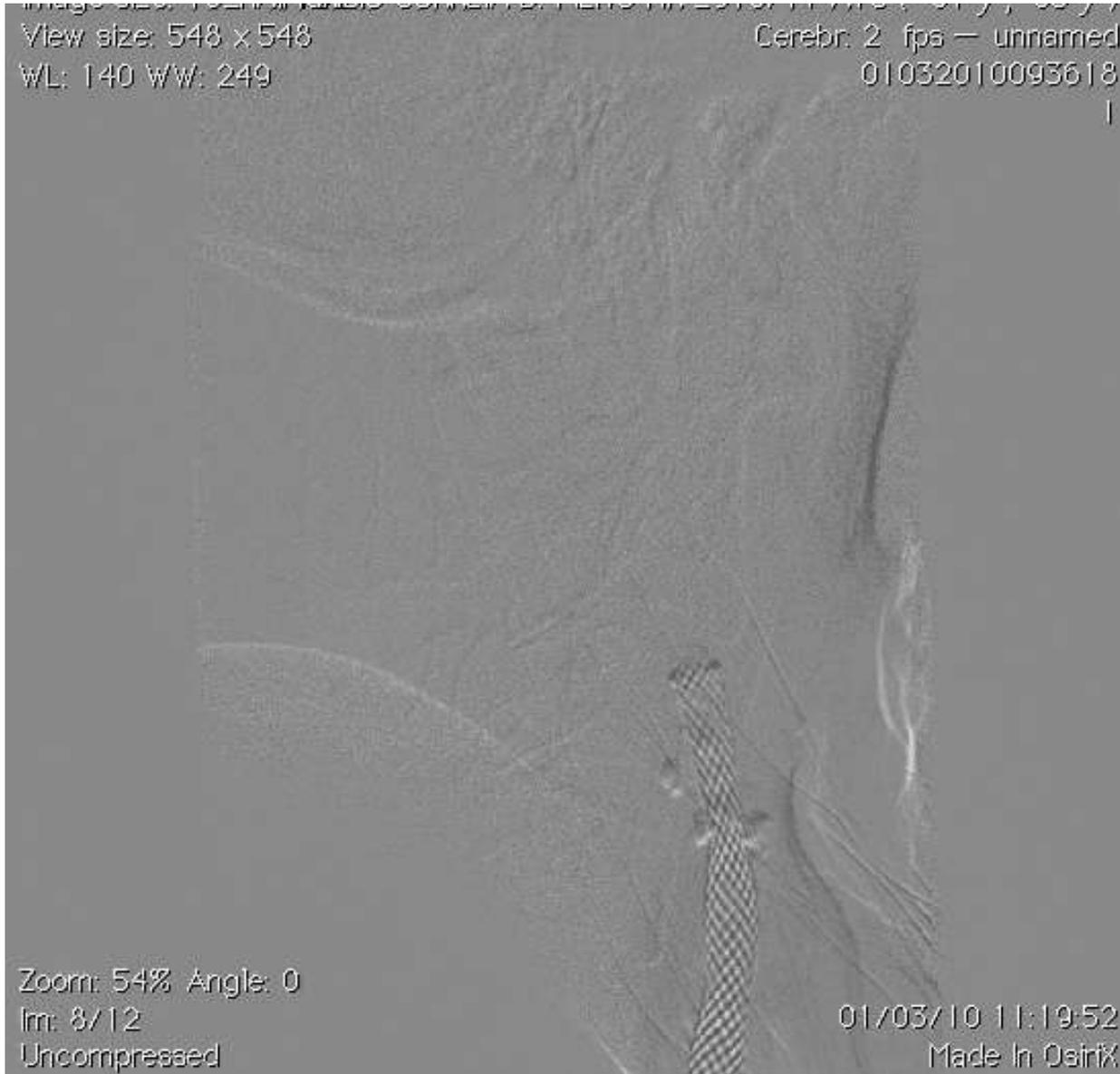
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View size: 548 x 548

WL: 140 WW: 249

Cerebr: 2 fps — unnamed

01032010093618



Zoom: 54% Angle: 0

Im: 8/12

Uncompressed

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TRANSCATHETER CARDIOVASCULAR THERAPEUTICS
THE WORLD'S PREMIER INTERVENTIONAL EXPERIENCE

View size: 605 x 589
WL: 250 WW: 648

Cerebr: 2 fps — unnamed
30032010084352

1

Zoom: 59% Angle: 0
Im: 2/6
Uncompressed

30/03/10 09:40:04
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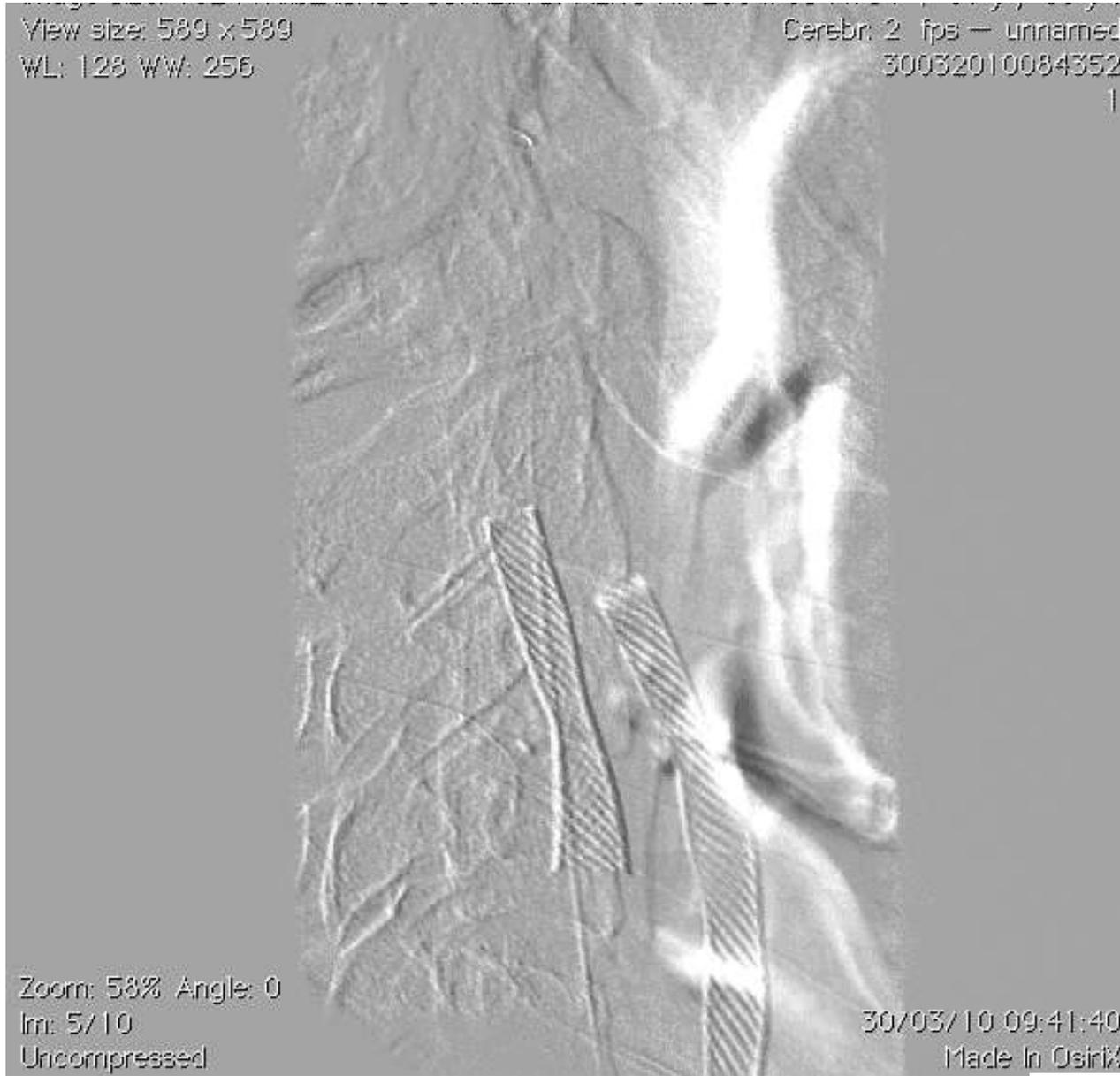
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TRANSCATHETER CARDIOVASCULAR THERAPEUTICS
THE WORLD'S PREMIER INTERVENTIONAL EXPERIENCE



View size: 589 x 589
WL: 128 WW: 256

Cerebr: 2 fps - unnamed
30032010084352
1



Zoom: 58% Angle: 0
Im: 5/10
Uncompressed

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TRANSCATHETER CARDIOVASCULAR THERAPEUTICS
THE WORLD'S PREMIER INTERVENTIONAL EXPERIENCE



View size: 490 x 490

WL: 117 WW: 259

Cerebr: 2 fps - unnamed

30032010084352



Zoom: 47% Angle: 358

Im: 6/20

Uncompressed

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TRANSCATHETER CARDIOVASCULAR THERAPEUTICS
THE WORLD'S PREMIER INTERVENTIONAL EXPERIENCE

In-hospital evolution:

No neurologic deficits

No functional status impairment

No medical complications

Hospital discharge in two days, in use:

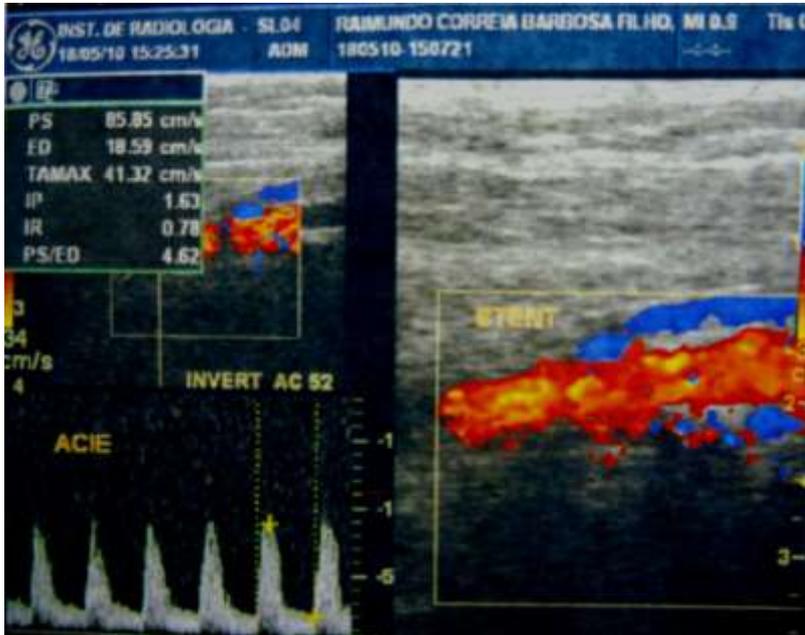
ASA 100mg/day, for life

Clopidogrel 75mg/day, for 30 days

Atorvastatin 20mg/day

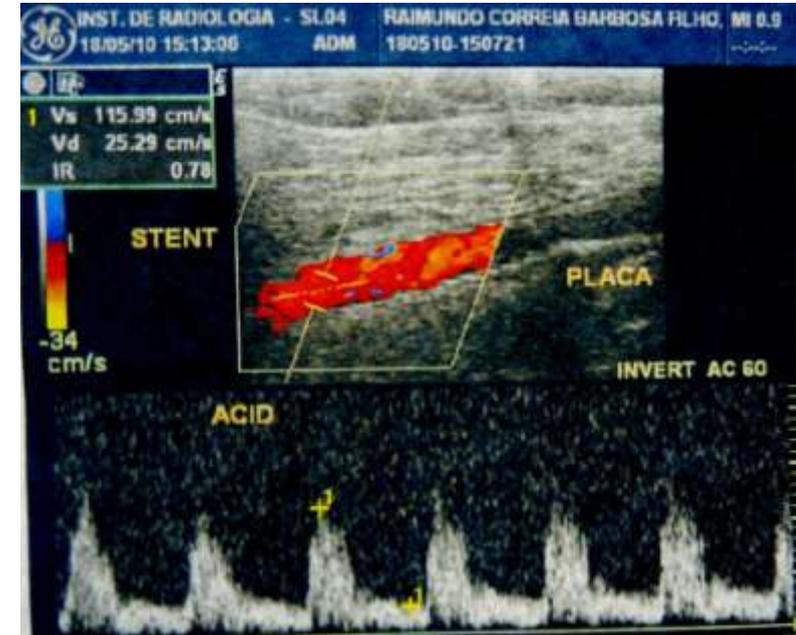
Duplex carotid scan control

Left IC , 75 days control



Post-stent vel. = 85.9 cm/s
Pre-stent vel. = 506.7 cm/s

Right IC, 45 days control



Post-stent vel = 116.0 cm/s
Pre-stent vel. = 250.3 cm/s

Patient's follow up:

Neurologically intact after 18 months

No medical complications

No complications at right hand or puncture site

TCT 2011 – Challenging Cases



Thank you!