

Ambulatory treatment and the advantages of trans-radial access

Dr. Mercedes Guerra-Requena

**Chief Angiology, Vascular & Endovascular Surgery
Guadalajara Hospital, Spain**



Disclosure

Speaker name: **Dr. Mercedes Guerra-Requena**

.....

I have the following potential conflicts of interest to report:

- Consulting: **Boston Scientific, Biotronik**
- Employment in industry
- Stockholder of a healthcare company
- Owner of a healthcare company
- Other(s)

- I do not have any potential conflict of interest

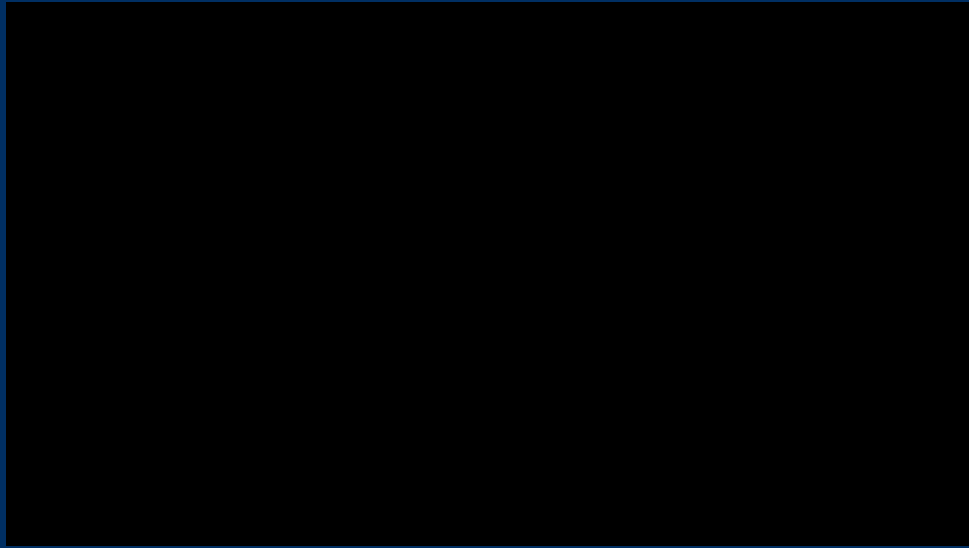


Advantages of ambulatory treatment

- It's more comfortable for our patients
- It carries less nosocomial infection
- It's more cost-effective for the Health System
- And It is a very important advantage during this pandemic
 - Lack of resources of beds
 - Less risk of intrahospitalary contagion



PROCEDURE



WRISTBAND PROTOCOL(Different from Interventional Cardiologies)

Compression: 15 min

Deflate: 2 cc / 5 min

Reinflate if bleeding

Available devices to perform radial access for PAD treatment

- **Vascular surgeons have a problem for this radial Access:**

- The innovation of the industry for different catheters or wires is insufficient

- We need longer material to access Iliac or femoral artery

- We use as catheter :

- MP 125cm

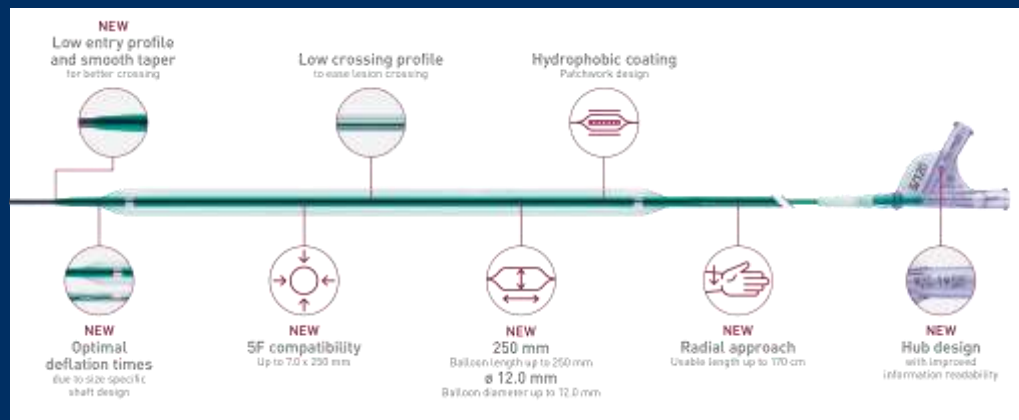
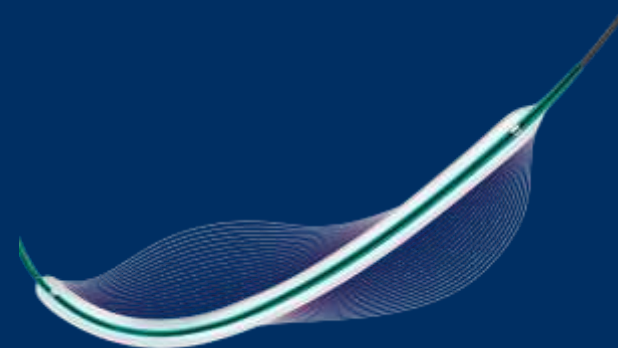
- Wire for 4mts

- Optimed 0.035"

- Terumo 0.035" normal or stiff

- Braun : 0.018"

- And sometimes we use the catheter baloon as interchange catheter (Passeo 35 Xeo 170cm):



Case

- Male, 52 years old
- LCI Stenosis in distal zone
- Rutherford 2
- **PLANNING:**
 - Radial Access from left side
 - We expect to find 8mm/7mm diameter and 58 mm length
 - We would need:
 - Dynetic 8x58-170.
 - Dynetic 7x58-170 **Not available**
 - Back up
 - 7x58-130

OBJETIVE FOR TESTING:

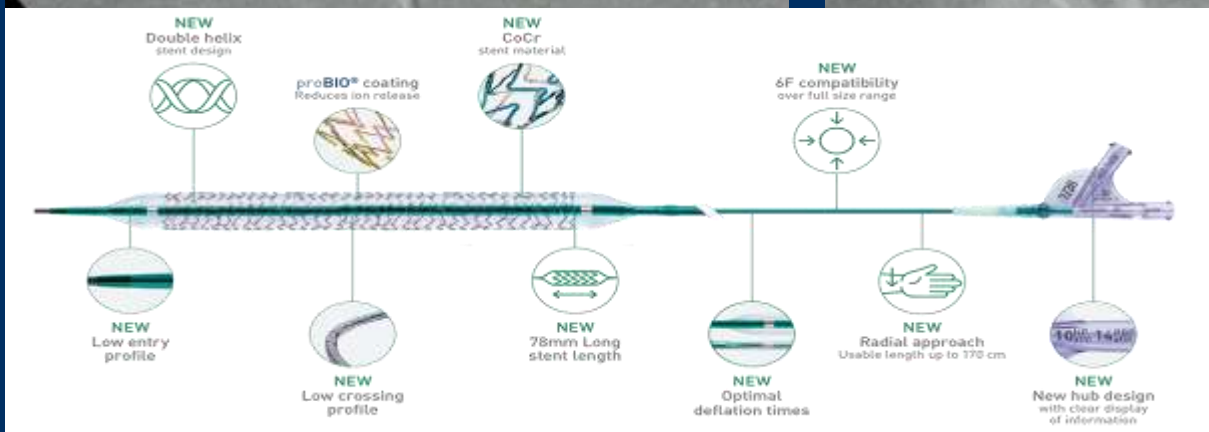
- Radial Access

Possibility to test shorter delivery from radial access

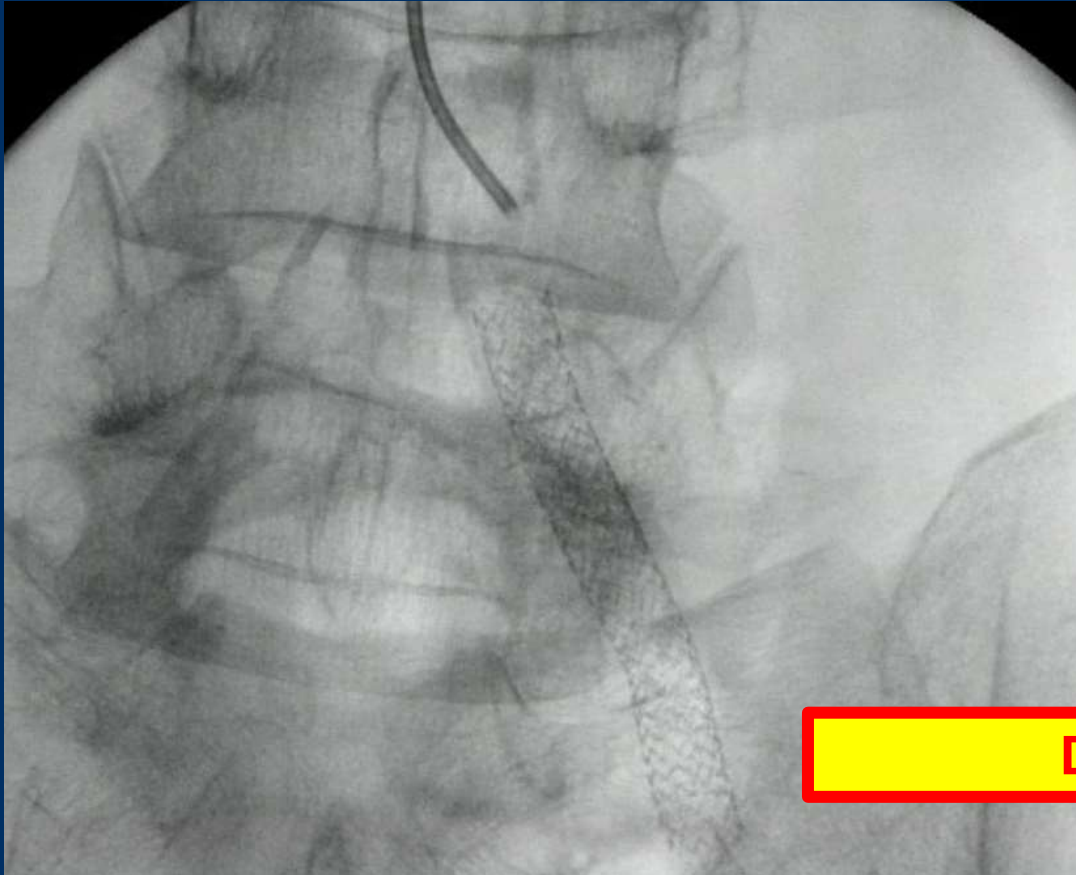


Dynetic-35 8x38x 170 radial access

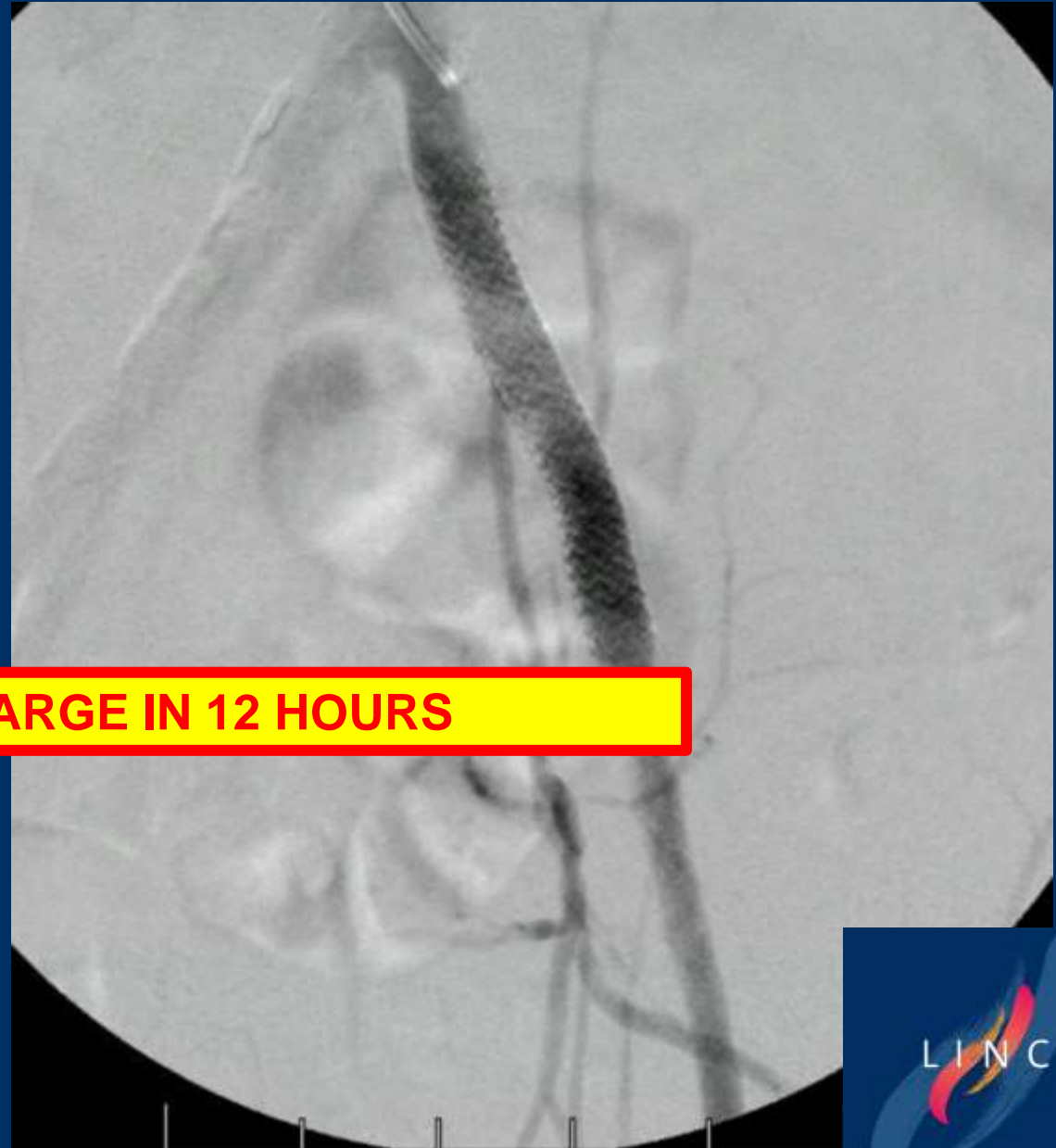
Proximal Dynetic-35 8x28x 170 radial access



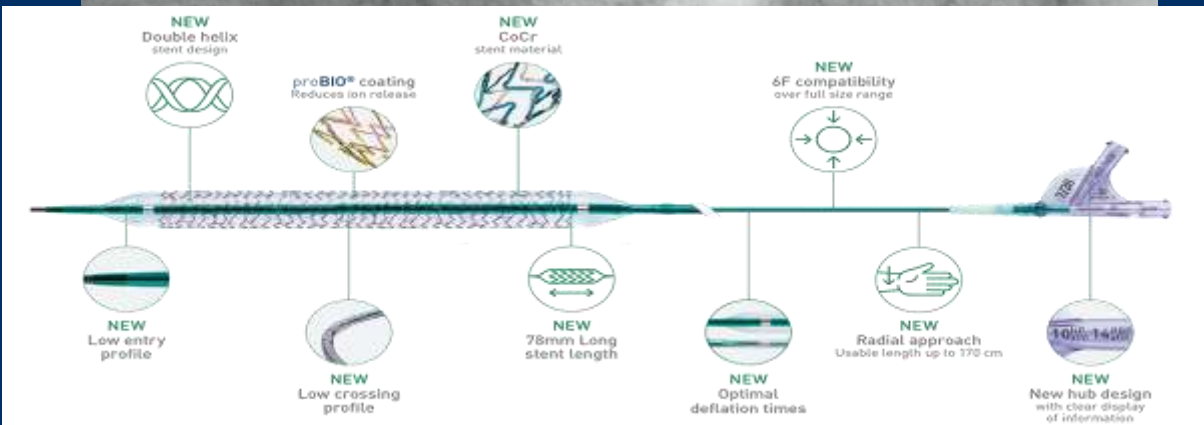
High opacity



Result

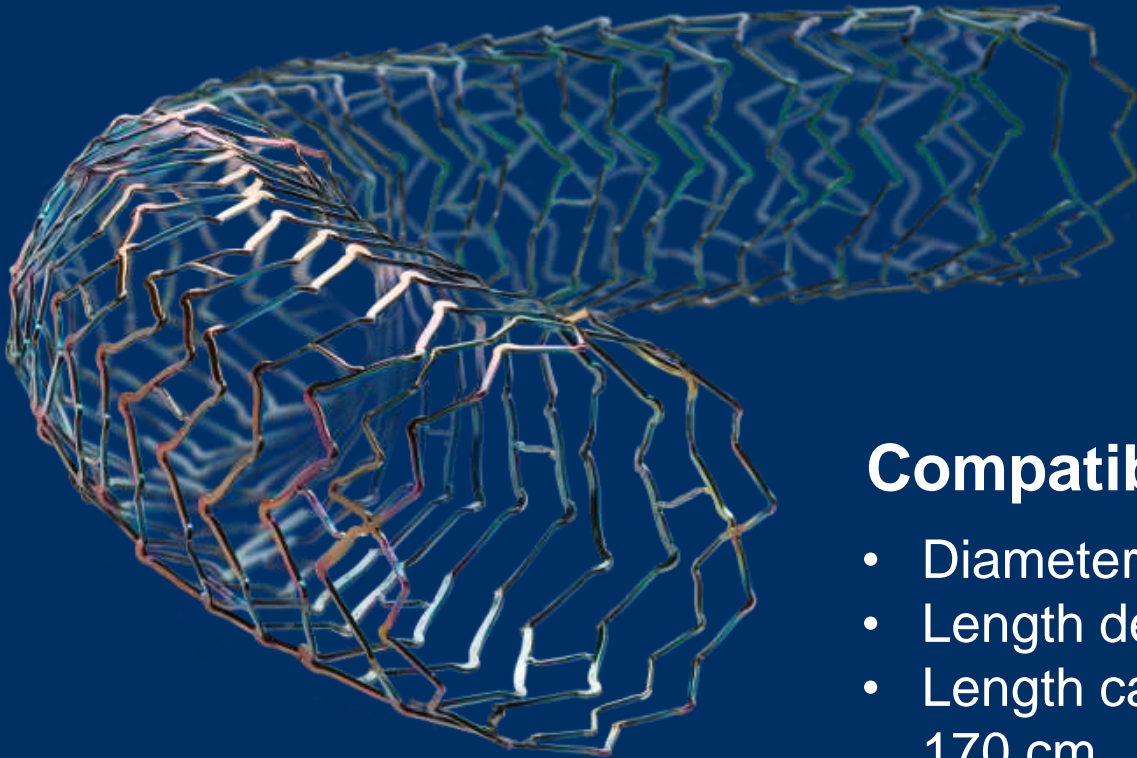


DISCHARGE IN 12 HOURS



Dynetic-35

- Cobalt-Chromium
- proBio coated
- Double helix design



23 %
stronger

14 times
more flexible

6F

Compatibility 6 F all sizes

- Diameters 5,0–10,0 mm,
- Length de 18–78 mm y
- Length catheter 90 cm, 130 cm y 170 cm.



Dynetic-35

Peripheral Balloon-Expandable Stent System

Compliance Data Card

IMPRESSIVE OVERSIZING

ø 5	atm	(mm)
	9	4.96
NP	10	5.04
	12	5.17
RBP	14	5.29
	16	5.36
Maximum Diameter for Post-dilation		7.5

ø 6	atm	(mm)
	9	5.87
NP	10	5.95
	12	6.09
RBP	14	6.20
	16	6.28
Maximum Diameter for Post-dilation		7.5

ø 7	atm	(mm)
	9	6.88
NP	10	6.99
	12	7.17
RBP	14	7.32
	16	7.41
Maximum Diameter for Post-dilation		7.5

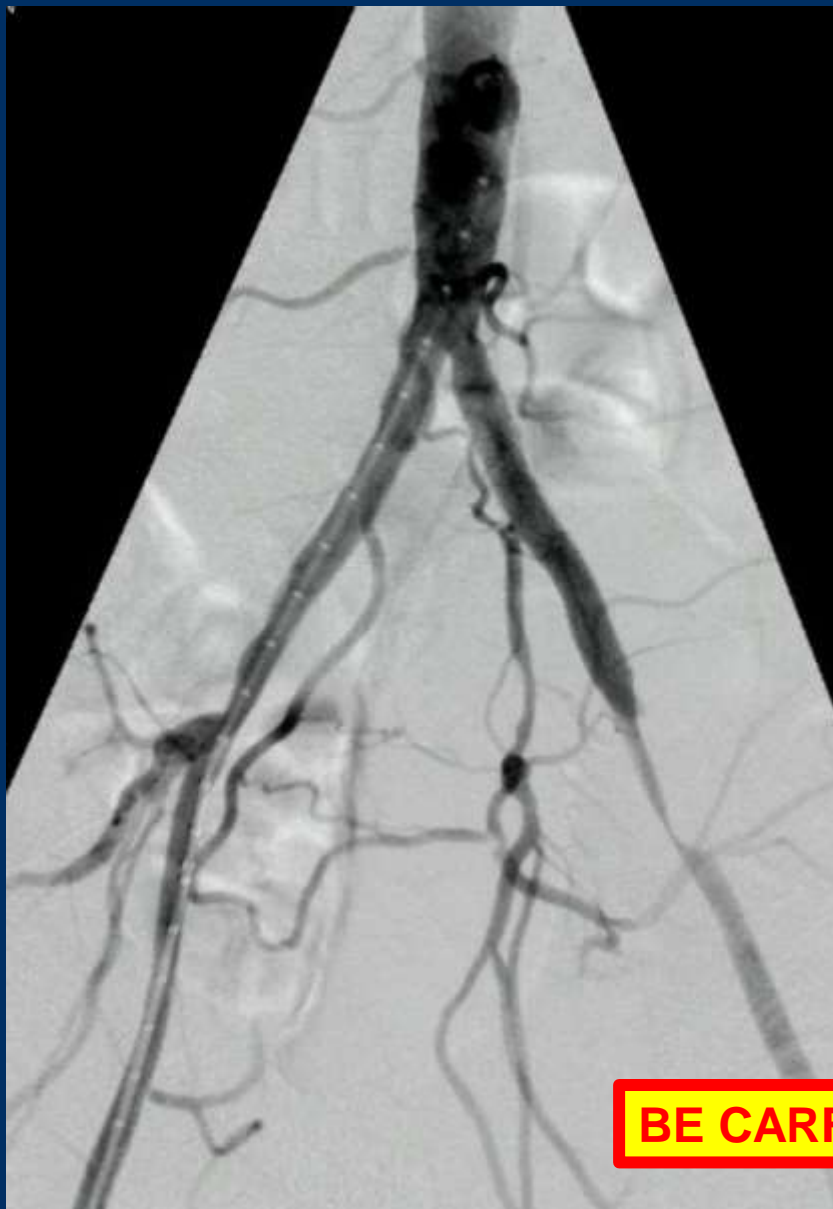
ø 8	atm	(mm)
	9	7.85
NP	10	7.98
	12	8.17
RBP	14	8.33
	16	8.43
Maximum Diameter for Post-dilation		10.5

ø 9	atm	(mm)
	9	8.87
NP	10	9.01
	11	9.11
RBP	12	9.24
	13	9.31
Maximum Diameter for Post-dilation		10.5

ø 10	atm	(mm)
	9	9.87
NP	10	10.00
	11	10.09
RBP	12	10.19
	13	10.26
Maximum Diameter for Post-dilation		10.5



Left ABI 0.89. Soft Pedial Pulse. Asympthomatic. Duplex : monophasic flow EIA
IVUS: Flap distal EIA



Astrom 8x80 femoral access

BE CAREFUL WITH OVERSIZING



FINAL REFLEXIONS

- Oversizing without shortening :shorter stocks
- Tapering
- No covered balloon-expandable length 18- 78mm
- Large size 6F compatible
- Combined longer catheter, longer stent, bigger diameters and low profile is perfect for radial access as well as for ambulatory treatment



**V CONGRESS OF ENDOVASCULAR
CHAPTER SPANISH SOCIETY.
GUADALAJARA.SPAIN
November2021**



**THANKS
FOR YOUR
ATTENTION**

