



# **Are open-toe antithromboembolic compression stockings safe ?**

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# Introduction and objective

**SECURITY ALERT** from the French Medical Devices Vigilance System (HAS)

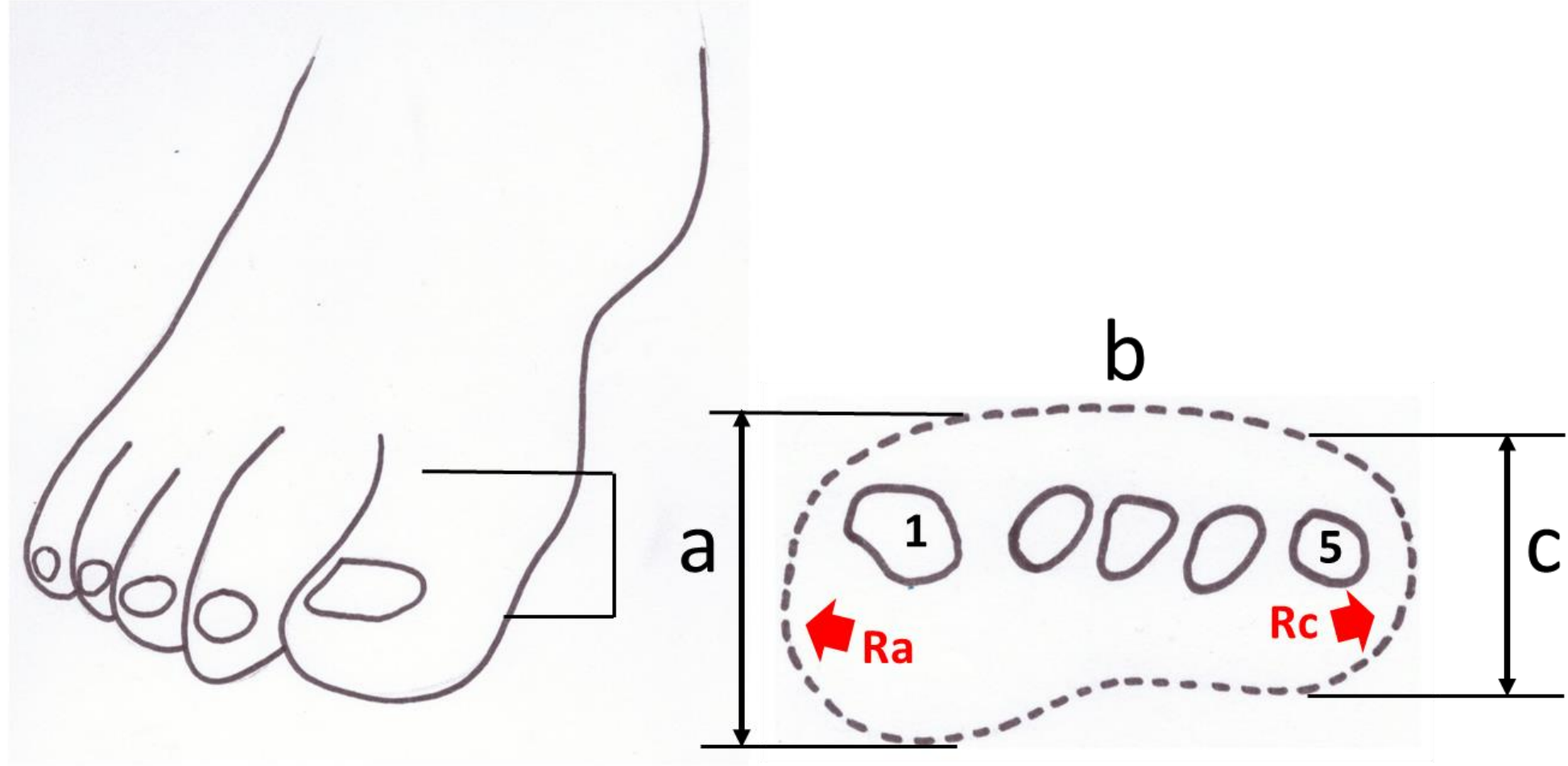


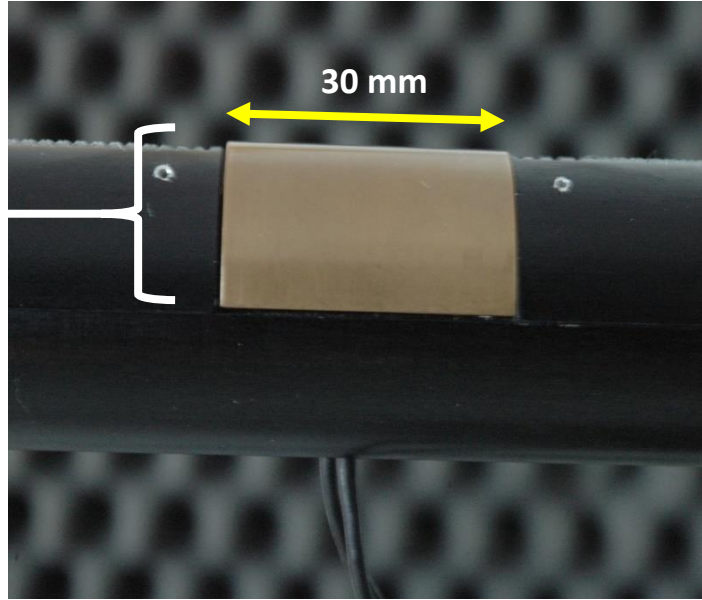
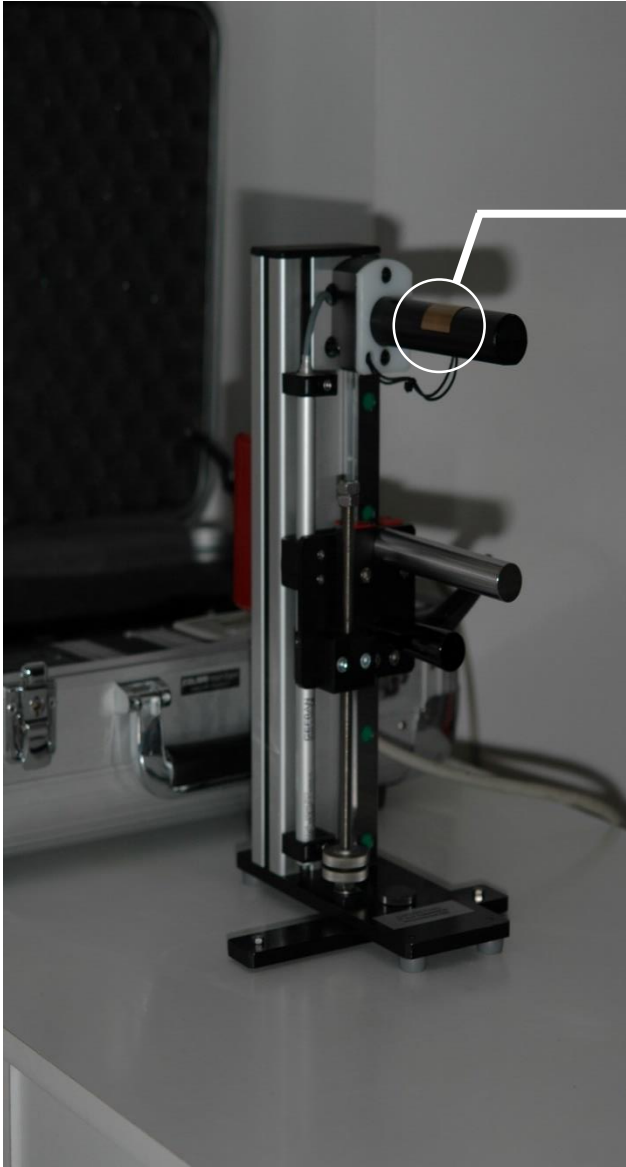
on 10 patients  
aged > 80  
OTMCS: post-surgery  
VTED prevention.



Most of the lesions were caused by an inadequate wearing and/or inadequate stockings.

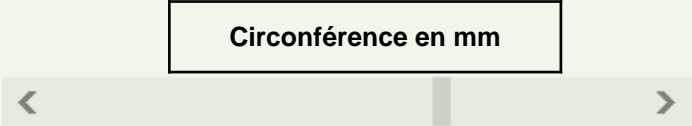
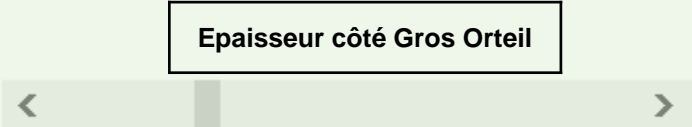
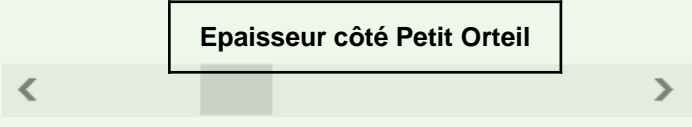
**A test was carried to evaluate the pressure level exerted by these antithromboembolic OTMCS, on the lateral and medial aspects of the 1<sup>st</sup> and 5<sup>th</sup> metatarsal phalangeal joints.**

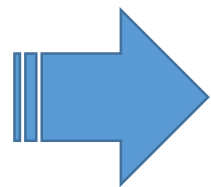




Rastel D, et al. JTAVR 2017.

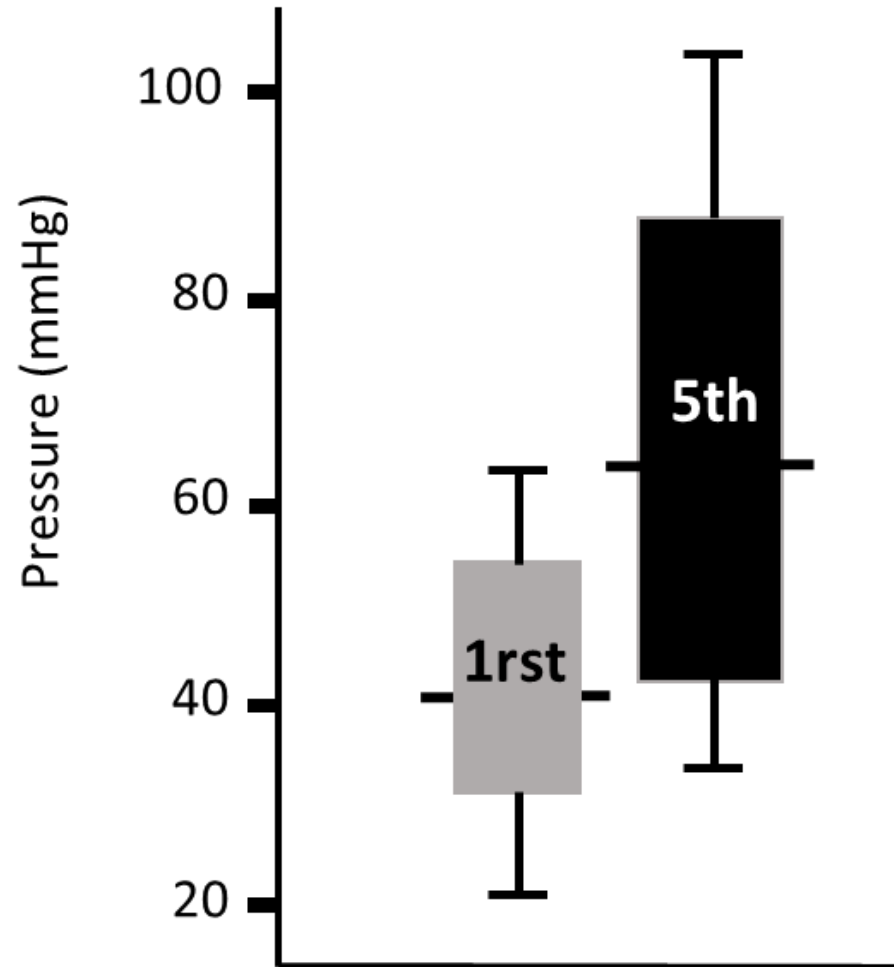
Algorithme on Excell (B. Lun)

	Circonférence en mm	240	Pression Globale en mmHg	15
	Epaisseur côté Gros Orteil	30	Pression Médiale en mmHg	38
	Epaisseur côté Petit Orteil	20	Pression Radiale en mmHg	57



**Measurements on 30 patients of 75-85 yo, included in a phlebological consultation**

n = 30  
80 ± 3.4 years old



# CONCLUSIONS



Very elevated pressures !

Could be the cause of pain, skin injuries or discomfort

Only one brand of ATE OTMCS studied

Advices to strengthen the medical follow-up, education....

Not only ATE MCS are open toe : compliance ?