## Susceptibility of tumoral blood perfusion to an external mecanical compression: study with no constrast MRI

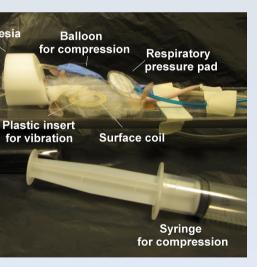
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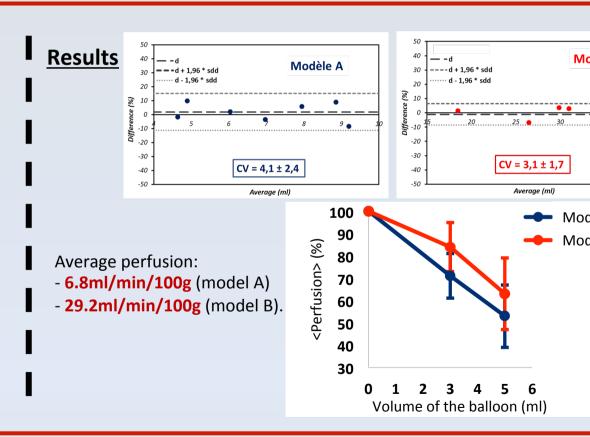
<u>Objective</u>: In this preliminary study, the balance between the different forces interacting in the tumor is disrupted by an external compression and the perfusion component is evaluated using the FLAIR technique.

## <u>ods</u>

on 10 mice ("necrotic" model: A (n=5), model: B (n=5))



- Repeatability perfusion (FAIR-RARE method)
- MR perfusion aquired at different compression levels.



<u>Conclusion</u>: MR perfusion are repeatable and an external compression exerted on the tumor can reduce the perfusion component even for more necrotic tumor.