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INTRODUCTION

RESULTS

CONCLUSION

CONCLUSION

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- Figure 1 consists of three panels. Panel (a) shows three velocity magnitude fields for the HC, MCI, and AD groups. Each field is a color map of the carotid artery cross-section, with a color bar indicating velocity magnitude in cm/s. The HC group shows the highest velocity, followed by MCI, and then AD. Panel (b) shows the velocity (cm/s) versus time (t/T) for the three groups. The HC group (green solid line) has the highest peak velocity, followed by MCI (yellow dashed line), and then AD (red dash-dot line). Panel (c) shows the pressure (mmHg) versus time (t/T) for the three groups. The pressure curves for all three groups are very similar, showing a sharp drop in pressure during the systolic phase.

- ## REFERENCES

- ## METHODOLOGY

- Fig. 2** (a) Subject specific contour maps from three MRI-based CFD models illustrating CSF flow patterns. (b) peak velocity at AoS and (c) minimum pressure variations at the AoS across a cardiac cycle, for the HC, MCI and AD subjects.

- ## CONTACT



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