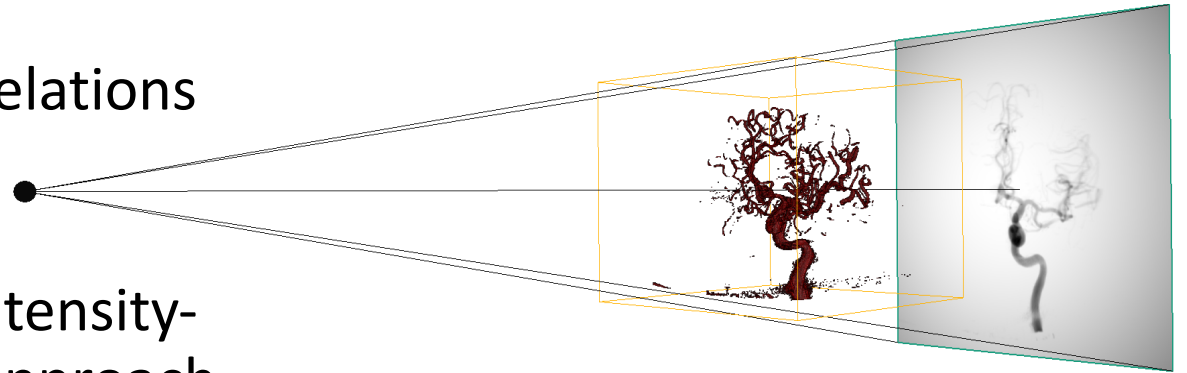


Multilevel 2D-3D Intensity-based Registration

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• Highlights

- Discussion and empirical analysis of relations of multilevel resolutions for 2D-3D registration
- Presentation and comparison of an intensity-driven 2D-3D multilevel registration approach



• Findings

- Resolutions of projections and volume should be comparable
- Finer resolutions are not advantageous

View	Method	Success Rate (%) (mTRE < 2 mm)	Mean \pm Std (mm)		Capture Range (mm) (SR > 95%)
			(mRPD < 2 mm)	mTRE < 2mm)	
LAT	MGP+BGB ¹	79.5	0.28 \pm 0.21	-	6
	PB-BGC ²	82.2	0.51 \pm 0.29	-	9
	PPC-MCCR ³	98.3	0.23 \pm 0.08	0.64 \pm 0.31	18
	DRR-NGF	99.3	0.17 \pm 0.004	1.06 \pm 0.15	20
AP	MGP+BGB ¹	95.5	0.28 \pm 0.19	-	12
	PPC-MCCR ³	99.4	0.16 \pm 0.08	0.59 \pm 0.27	20
	DRR-NGF	99.5	0.12 \pm 0.003	0.55 \pm 0.14	20