

Supporting Information 5

(Gil Hong Park)

**Preventive effect of compound 1 derivatives
on osteoporosis induced by ovariectomy
in ddY mice**

Protocol

Ovariectomized ddY mice were fed compound 1 derivatives in 300 μ L phosphate-buffered saline (PBS) per os via gavage once daily from 1 week after ovariectomy for 4 weeks

Experimental group (4 mice per group)

Sh: Sham unovariectomized mice fed 300 μ L of 0.5% DMSO-containing PBS once daily

OVX: Ovariectomized mice fed 300 μ L of 0.5% DMSO-containing PBS once daily

Alen: Ovariectomized mice fed alendronate 10 mg/kg/d

C1: Ovariectomized mice fed compound 1 10 mg/kg/d

2g: Ovariectomized mice fed 2g 10 mg/kg/d

2c·10: Ovariectomized mice fed 2c 10 mg/kg/d

2c·1: Ovariectomized mice fed 2c 1 mg/kg/d

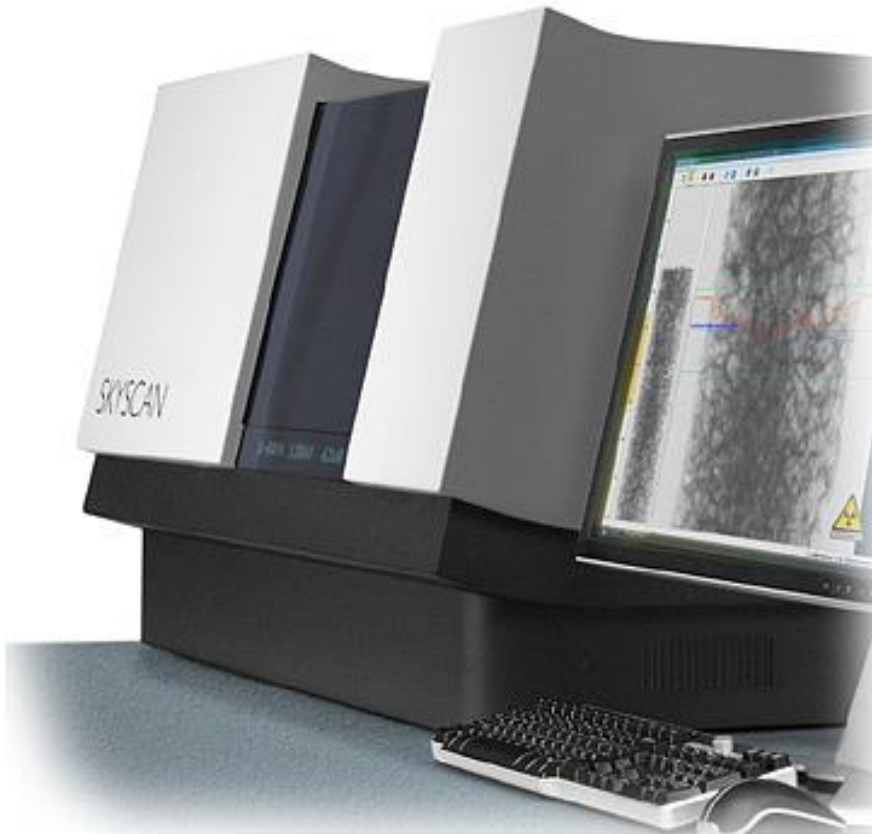
Scanning Condition

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Source Current (uA)= 72
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Exposure (ms)= 500
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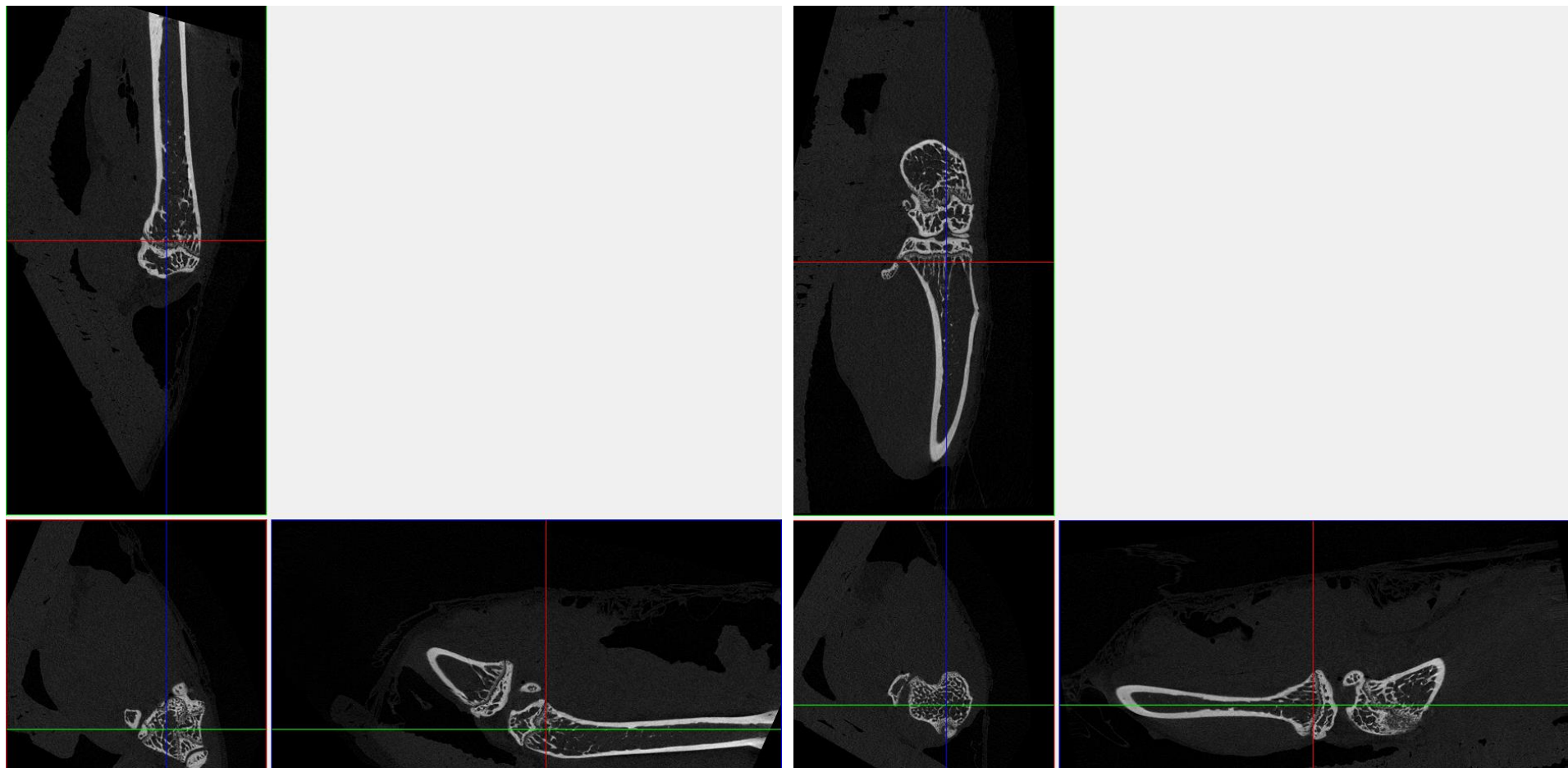
[Reconstruction]

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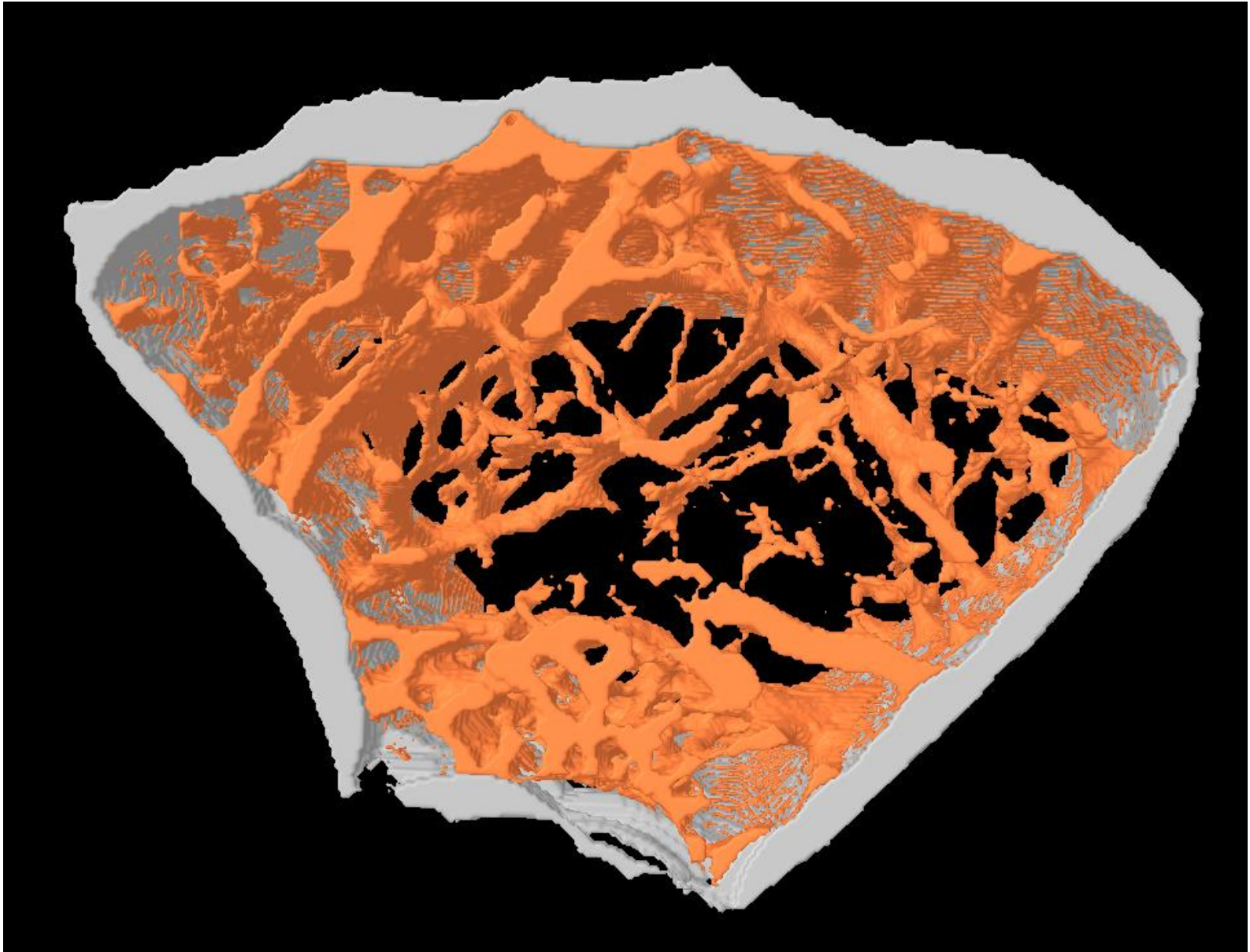


SkyScan1173; Bruker-CT, Kartuizersweg 3B 2550 Kontich, Belgium

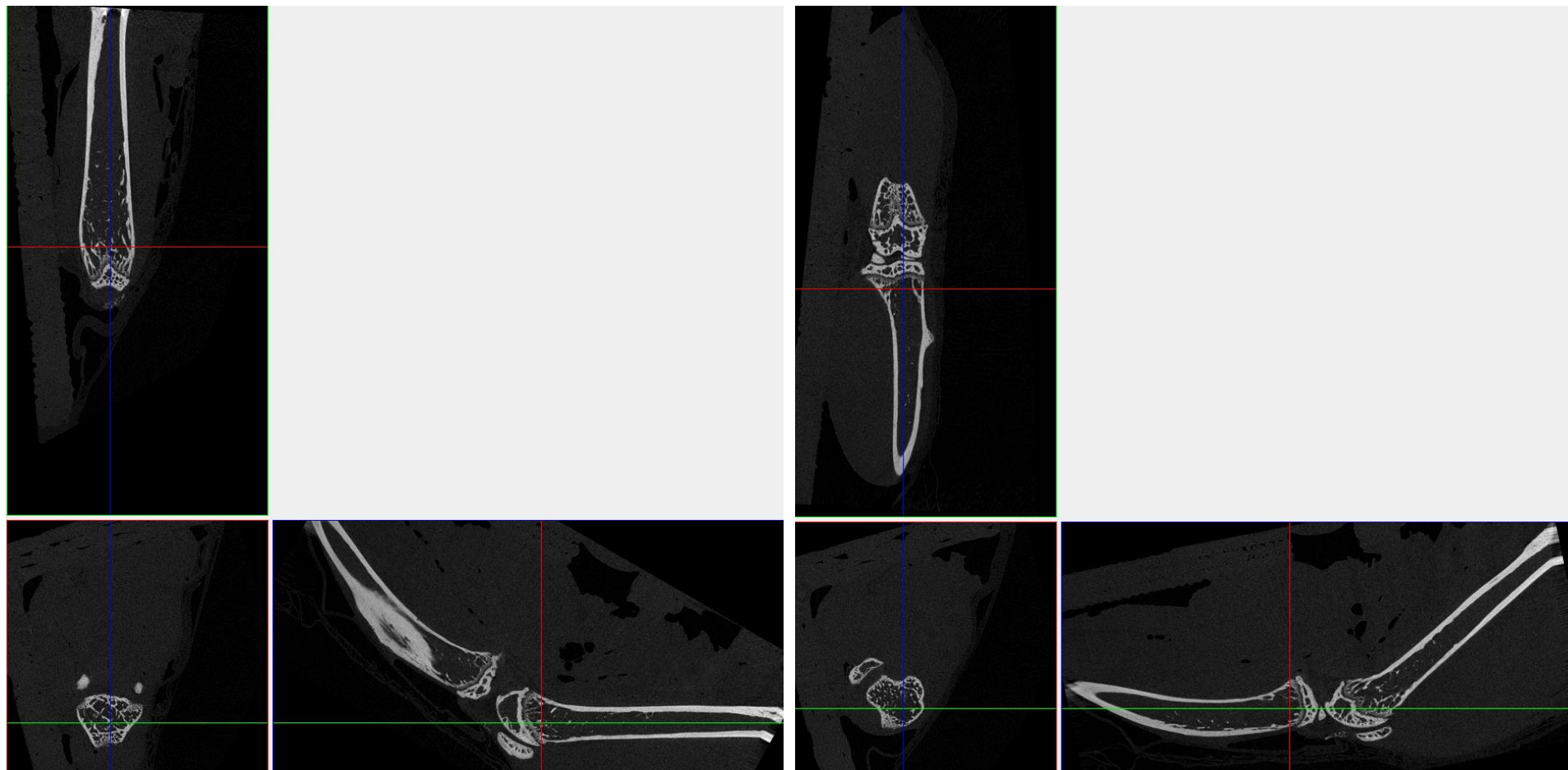
Evaluation of bone mineral density and new bone formation in ovariectomized mice



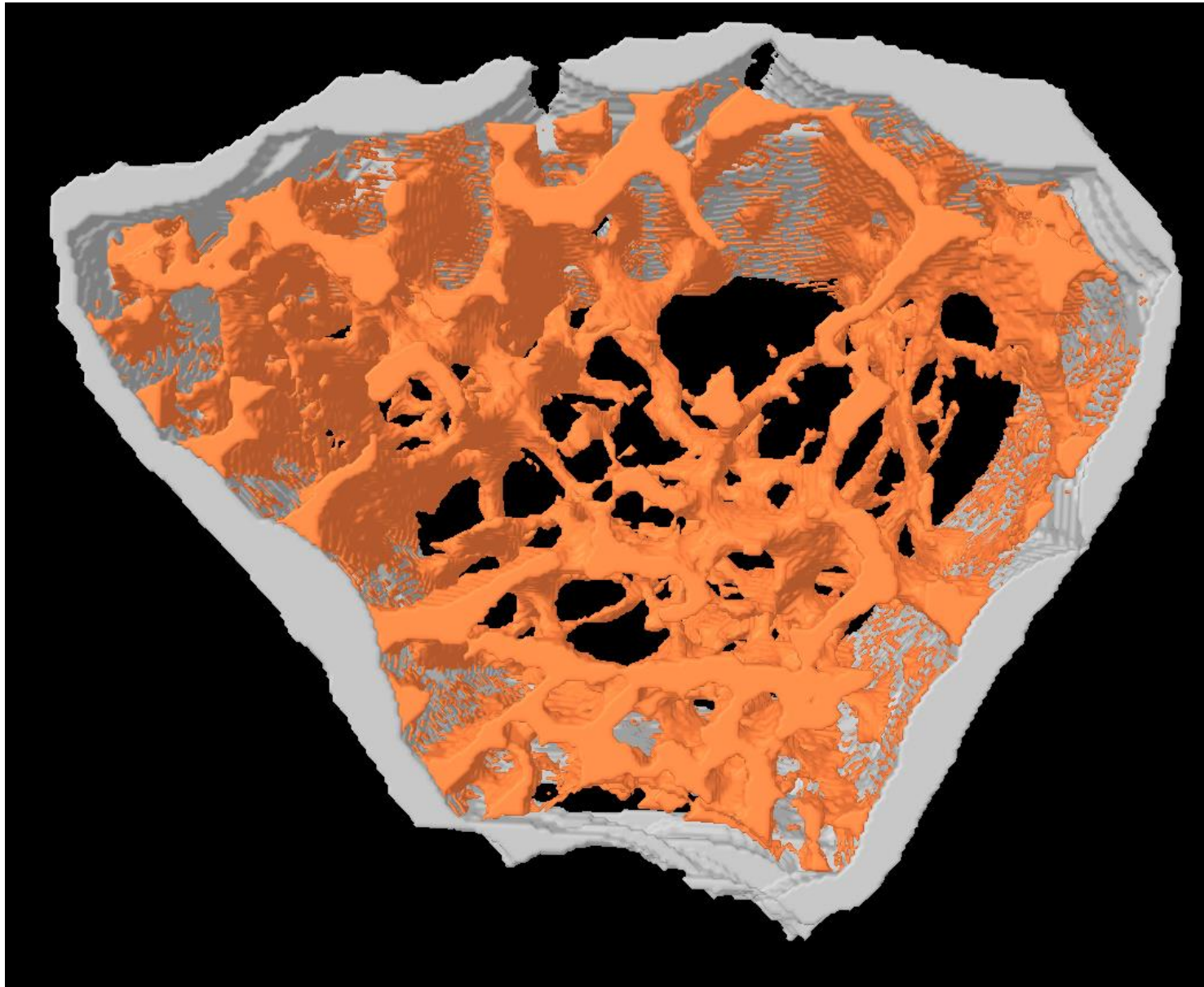
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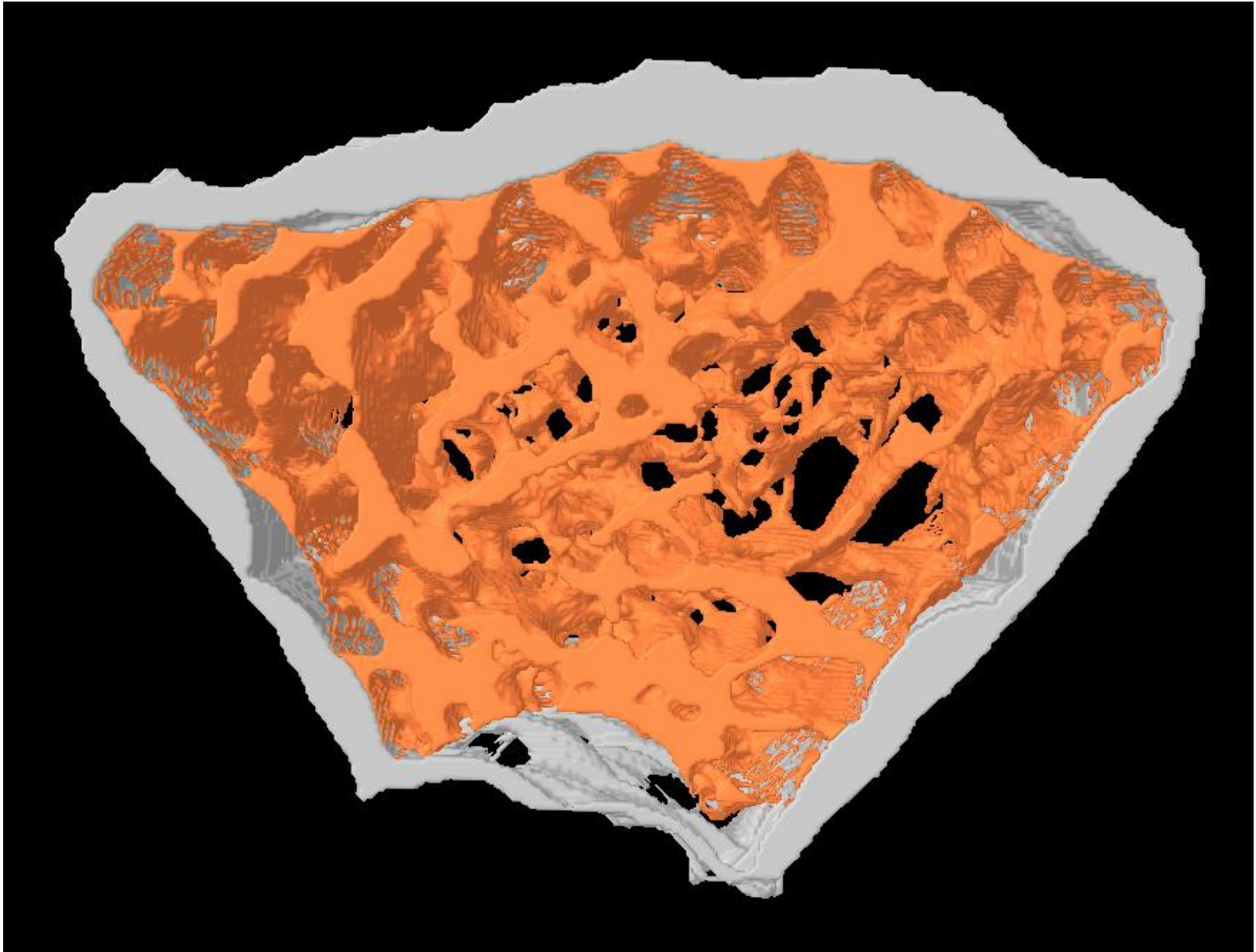
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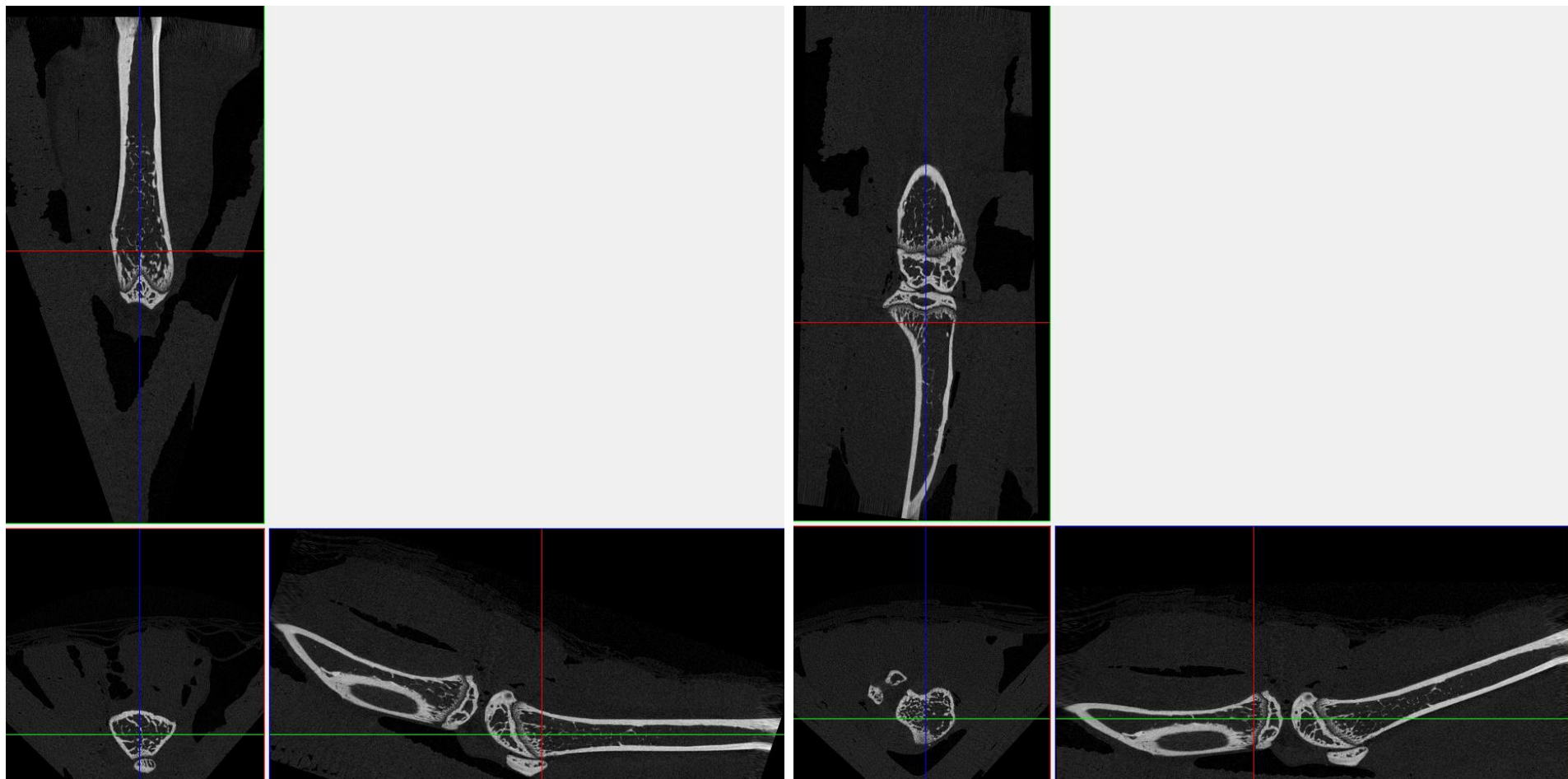
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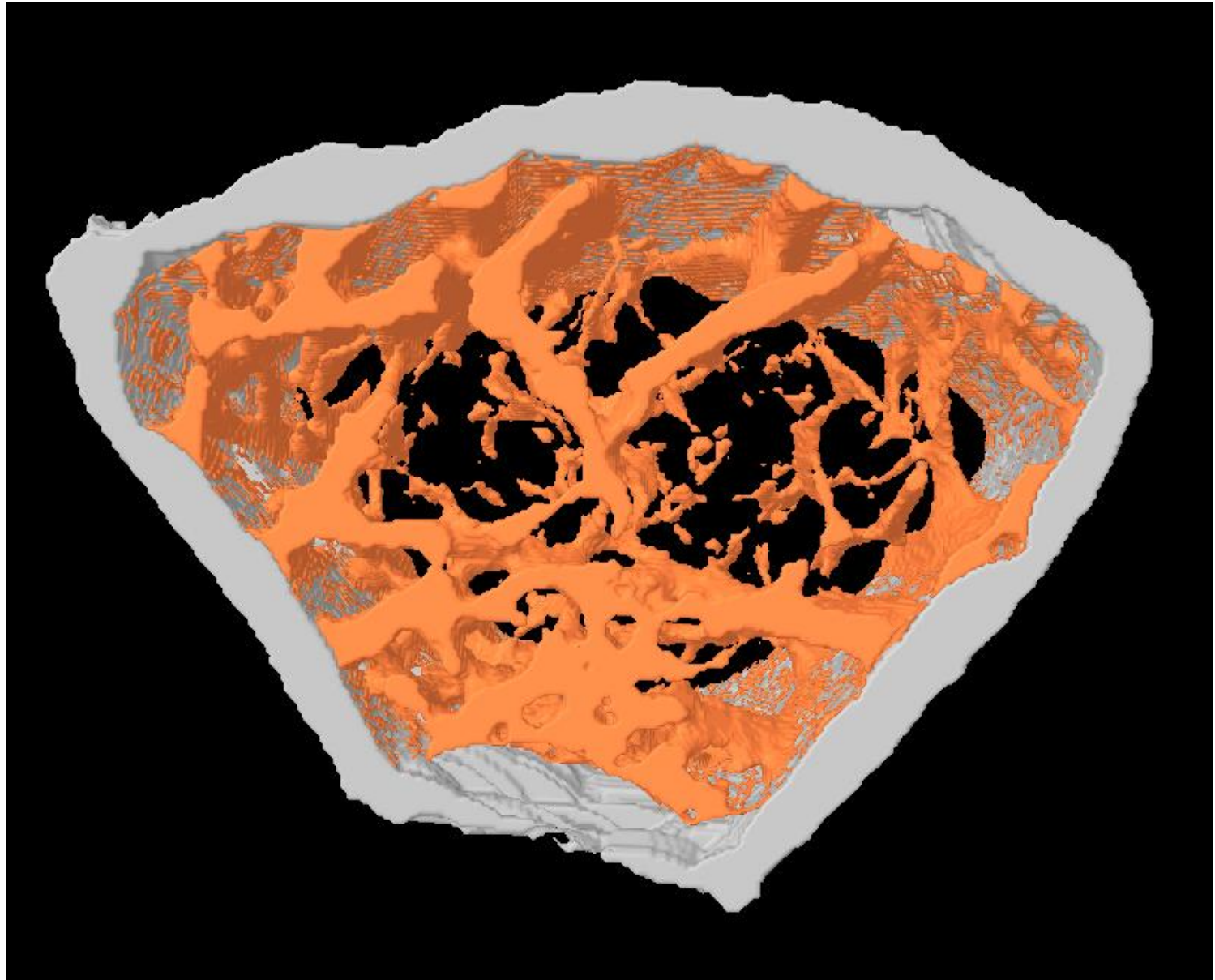
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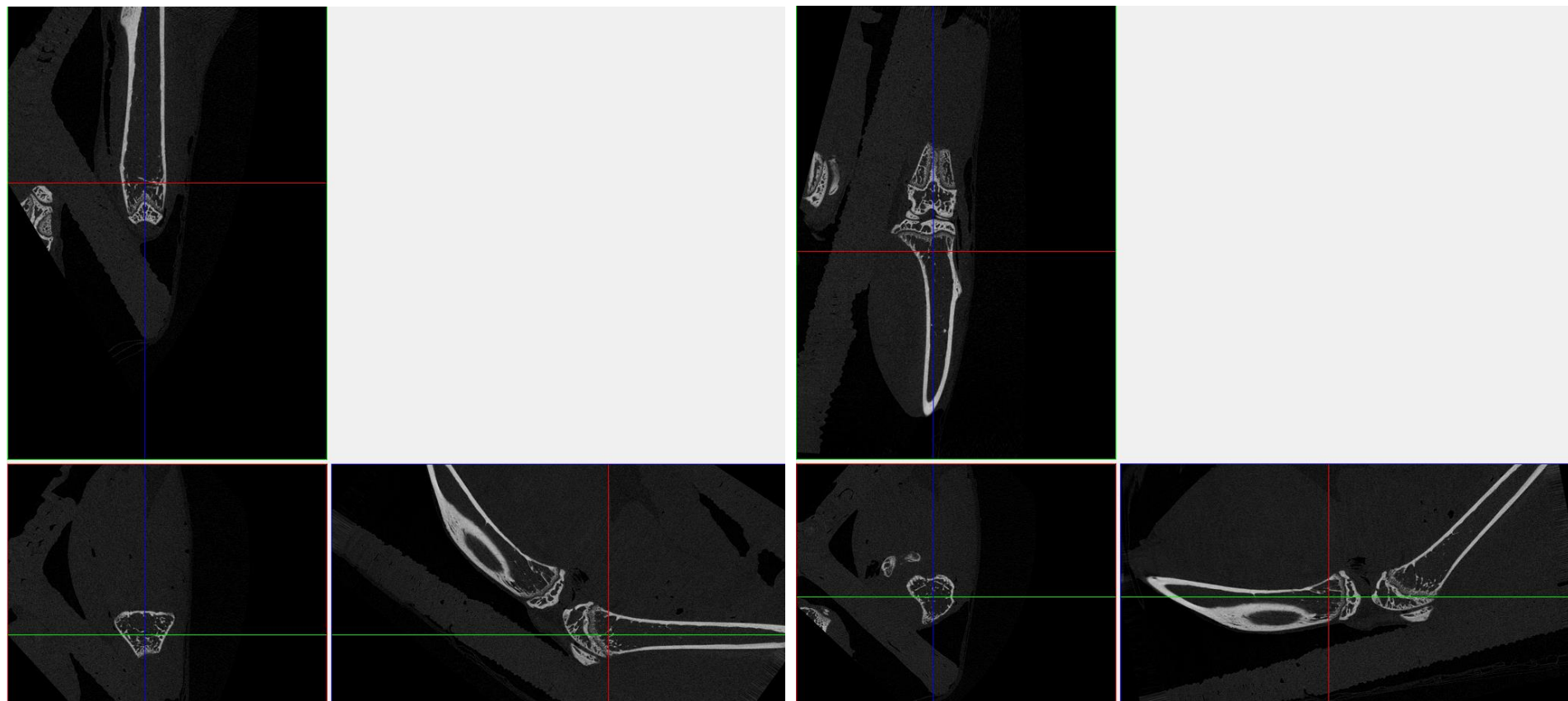
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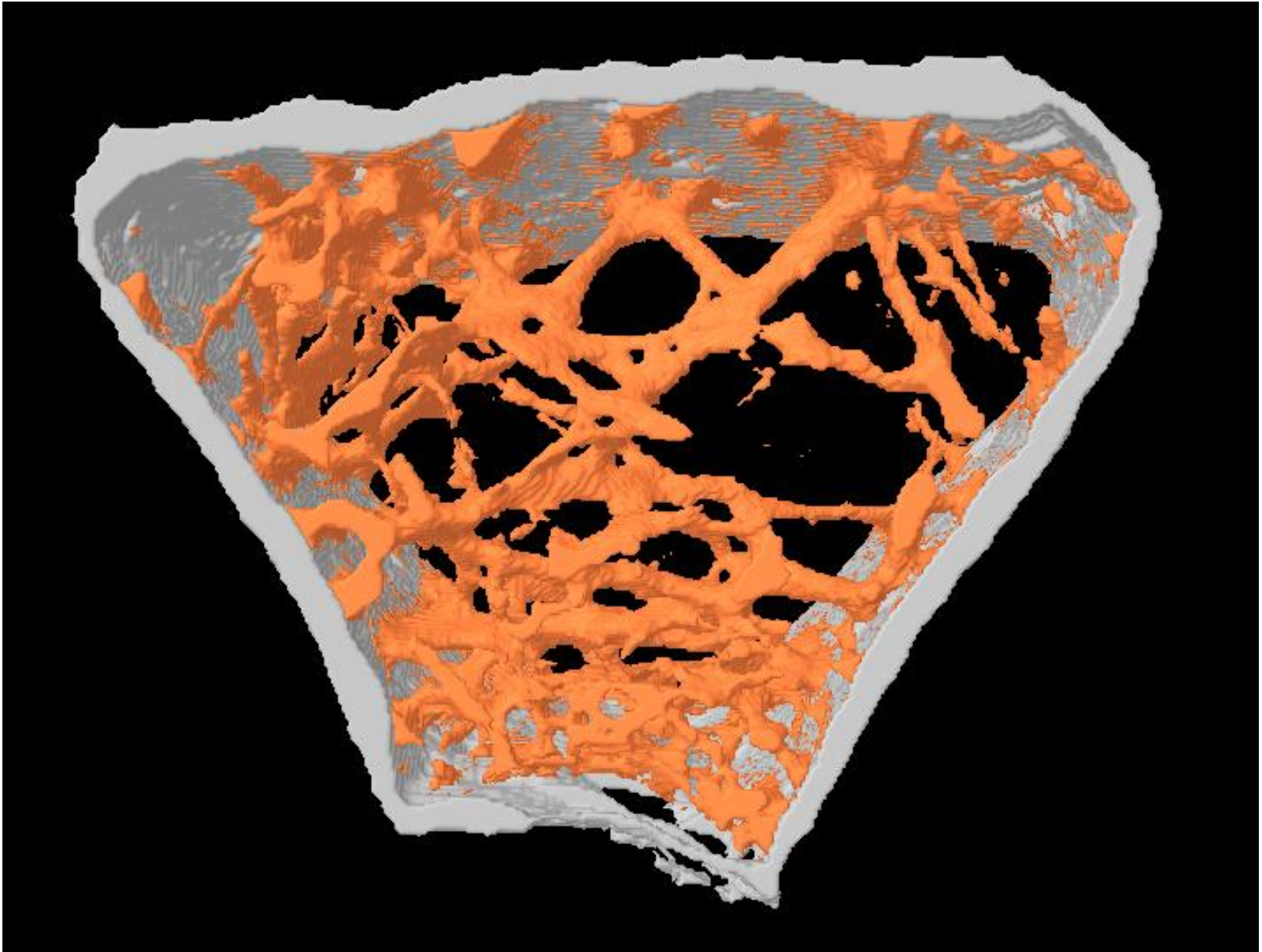
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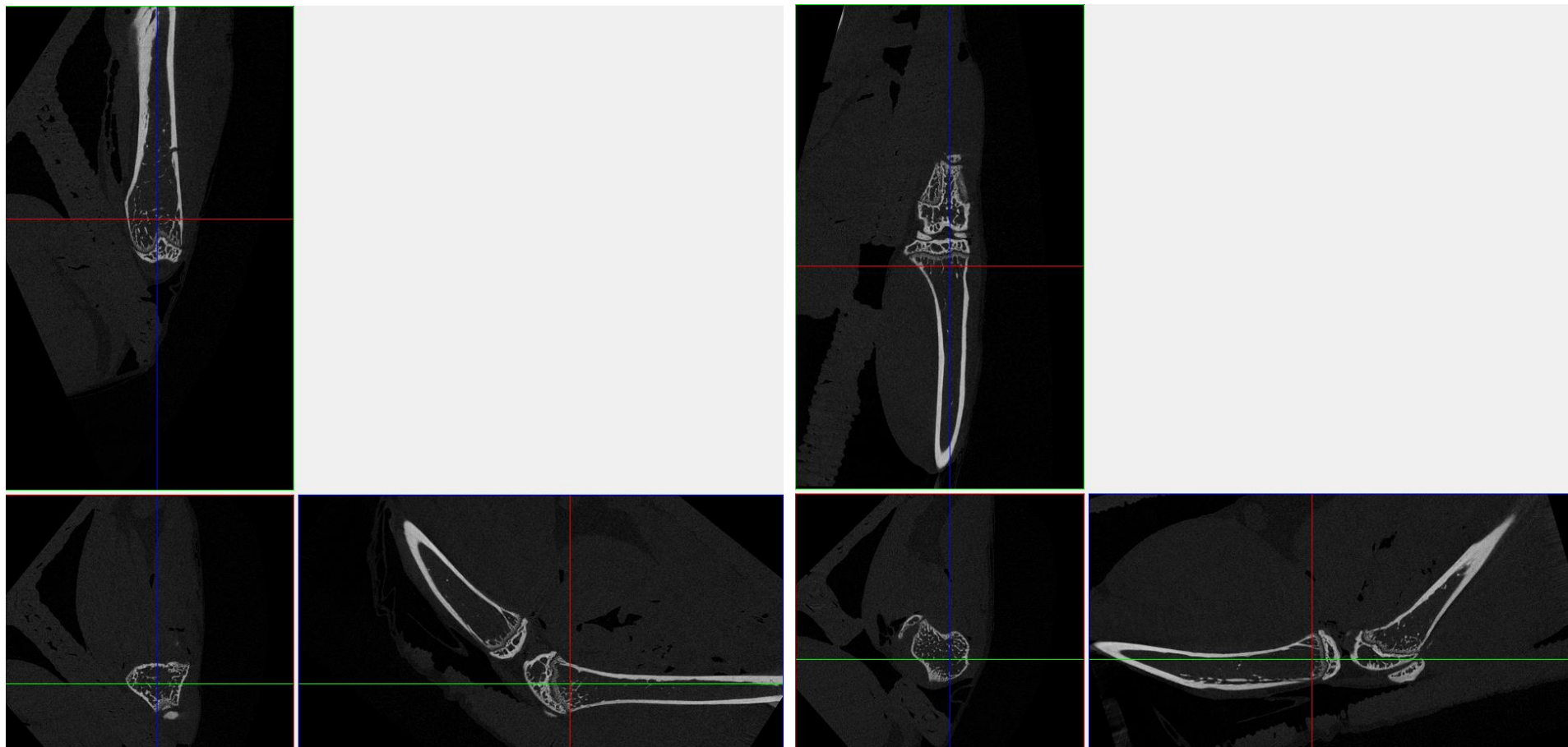
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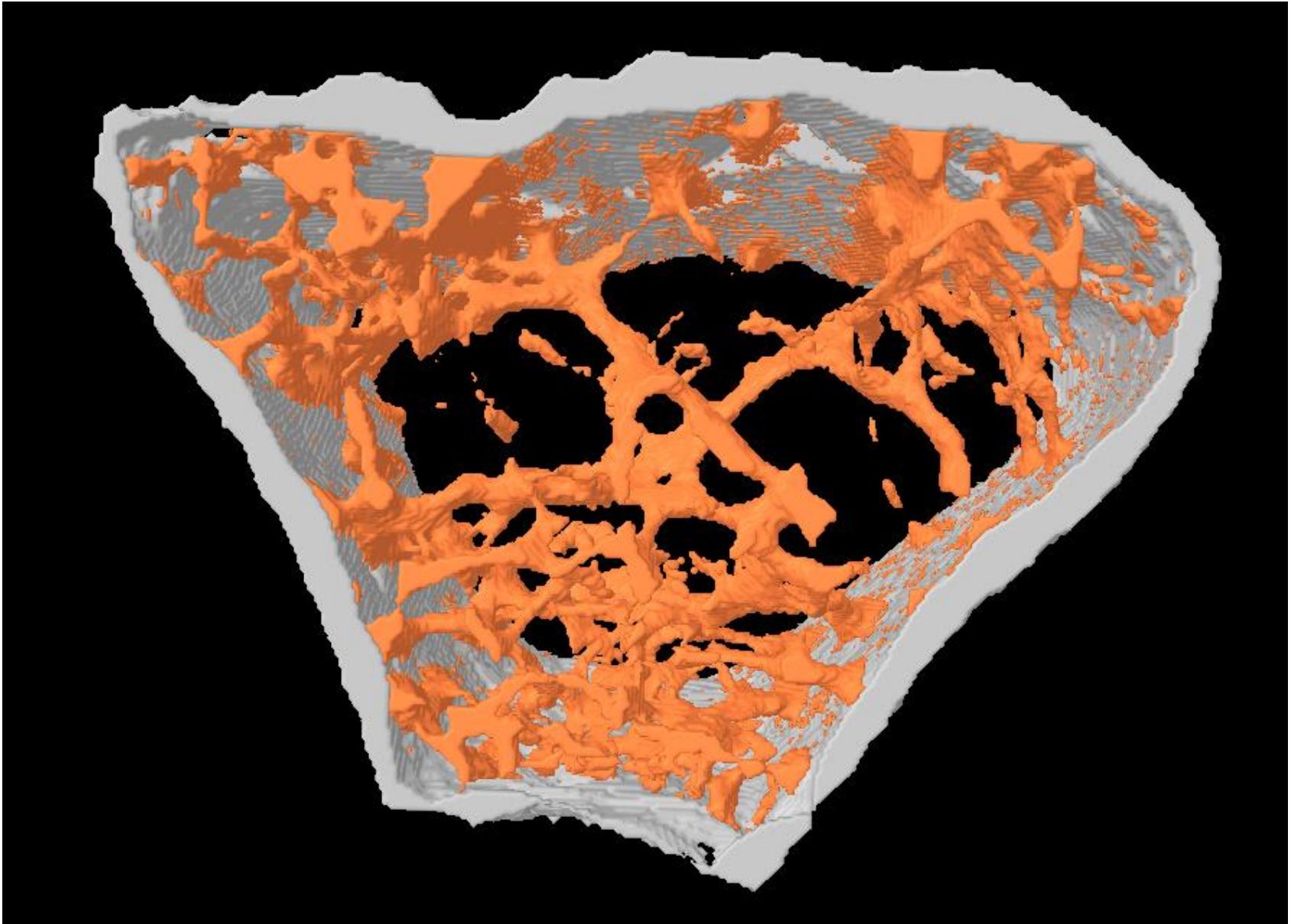
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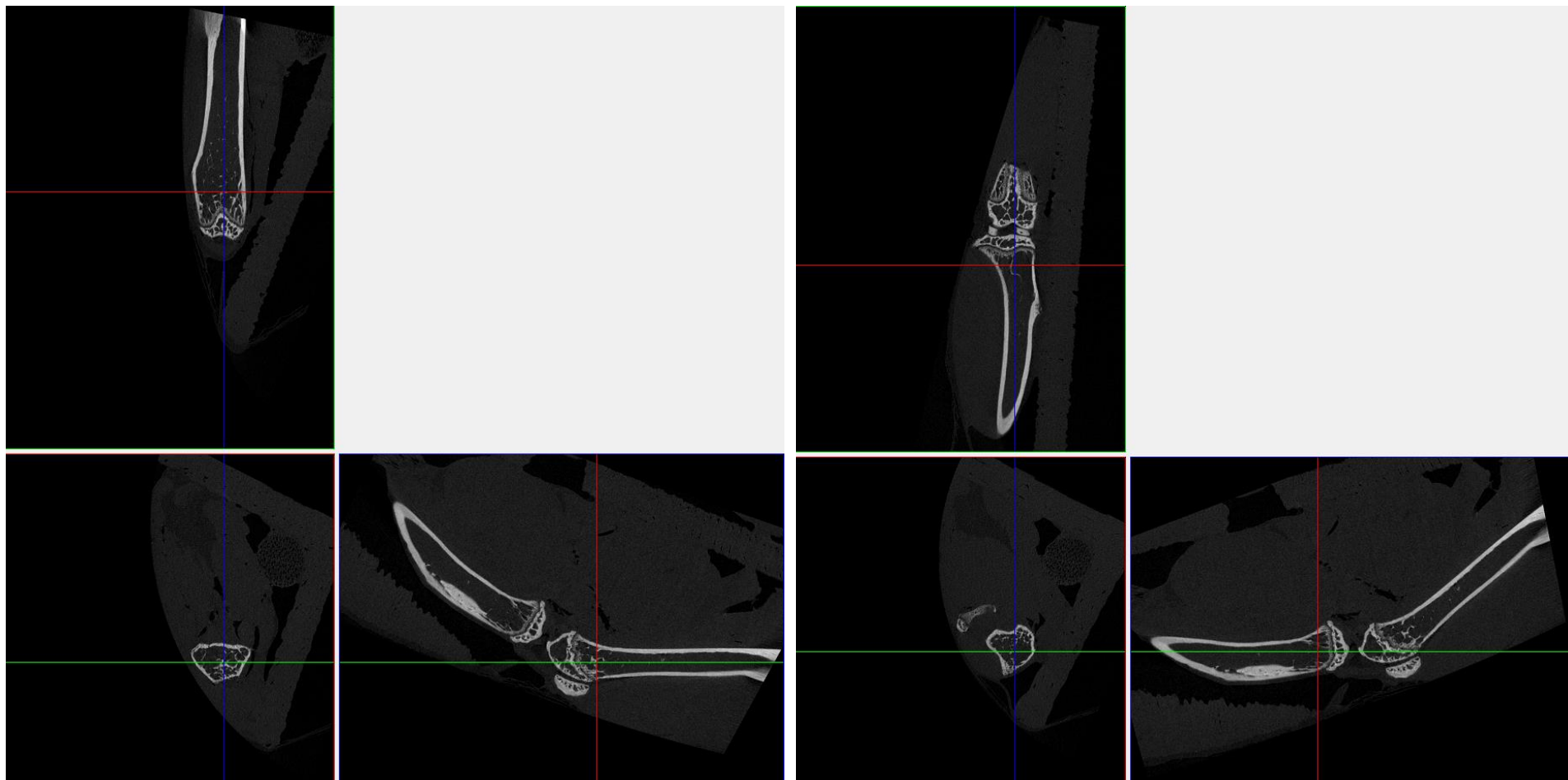
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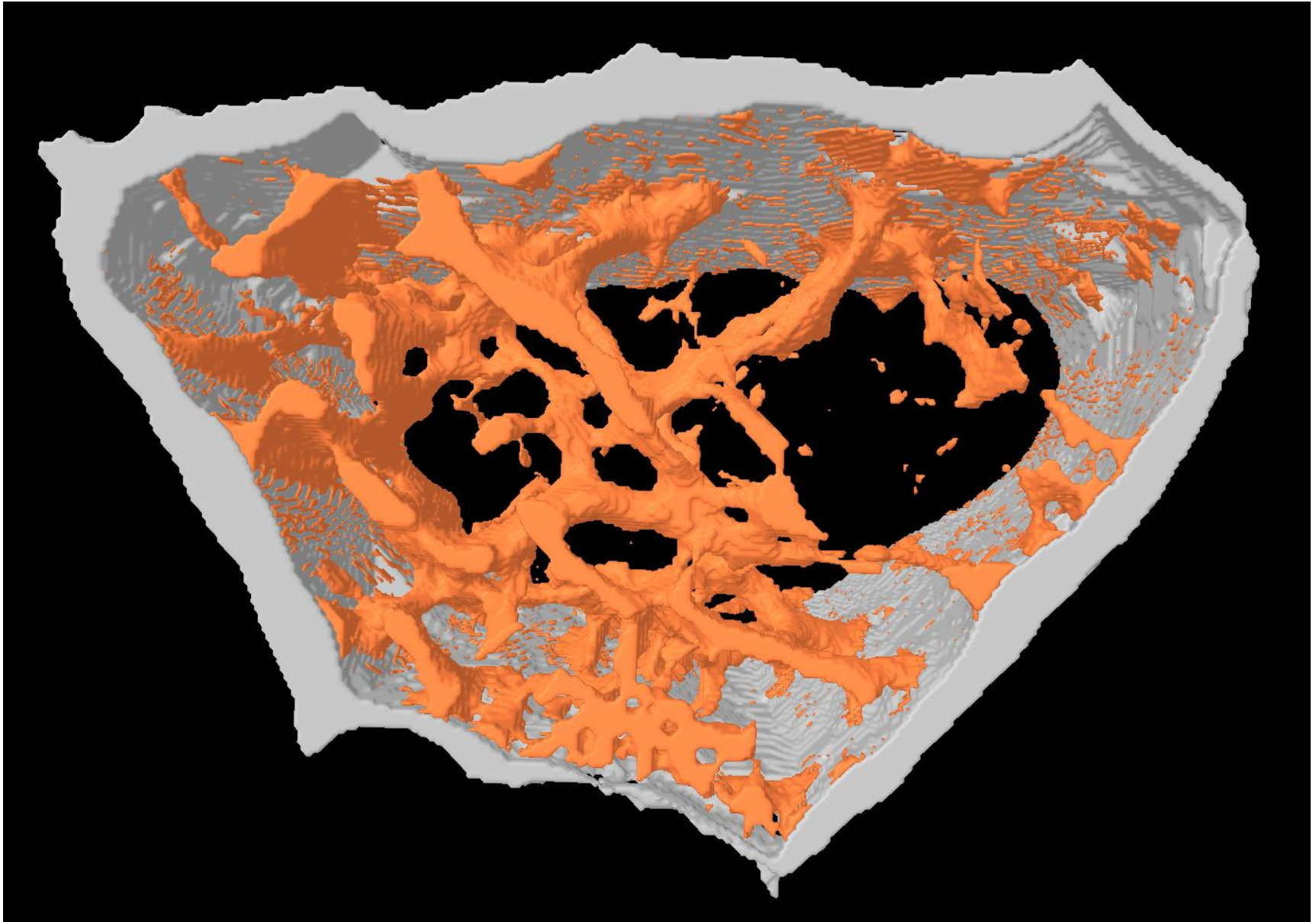
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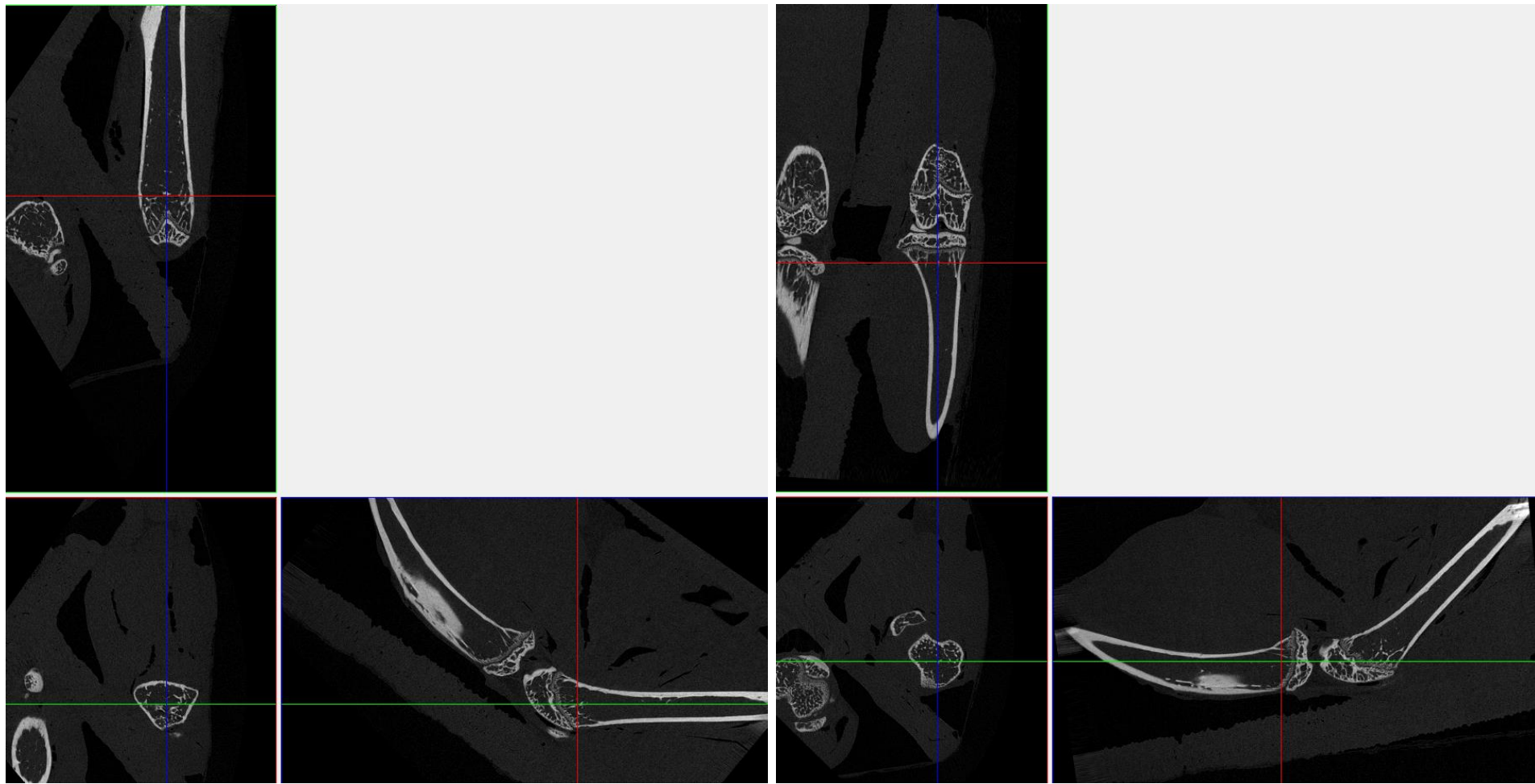
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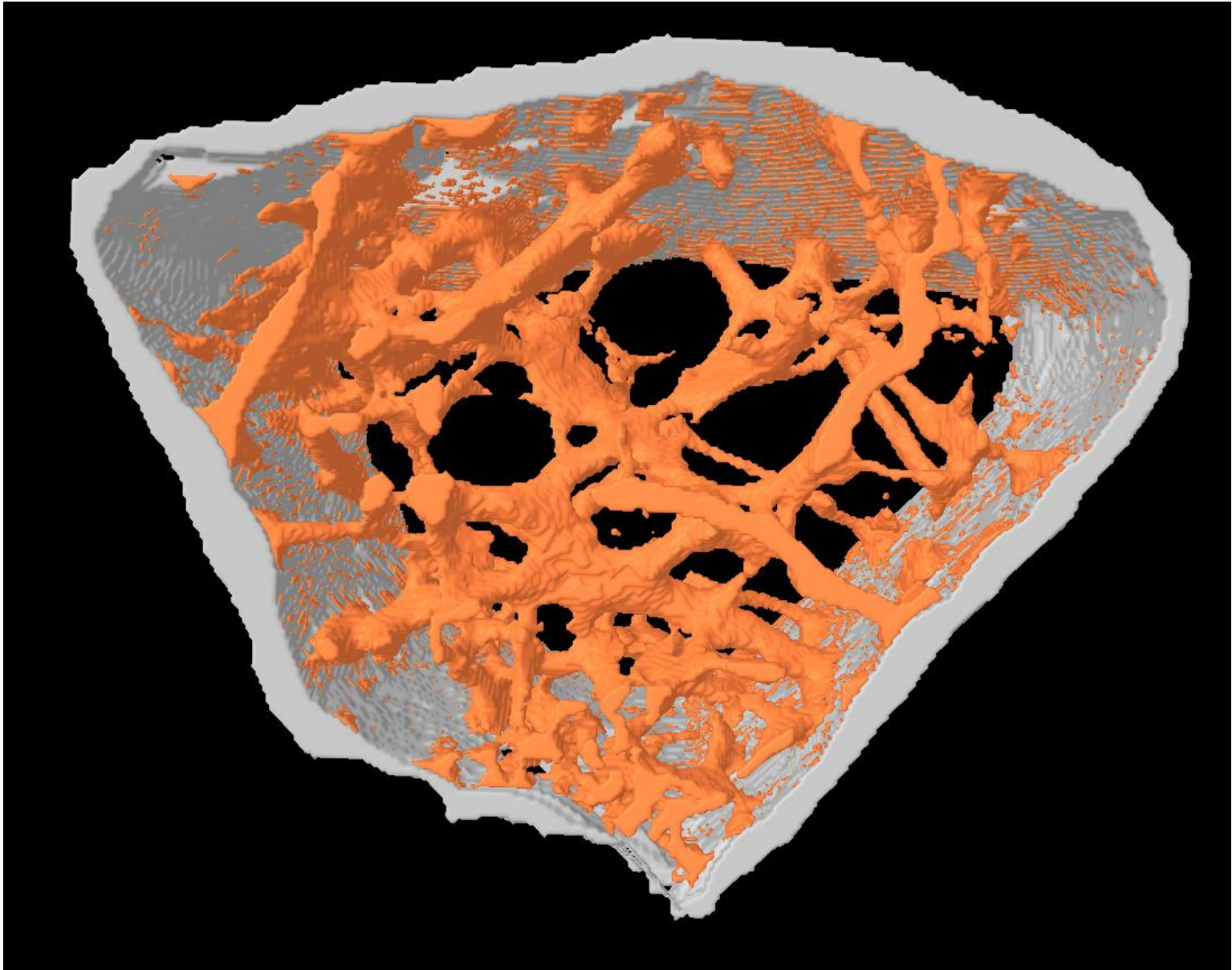
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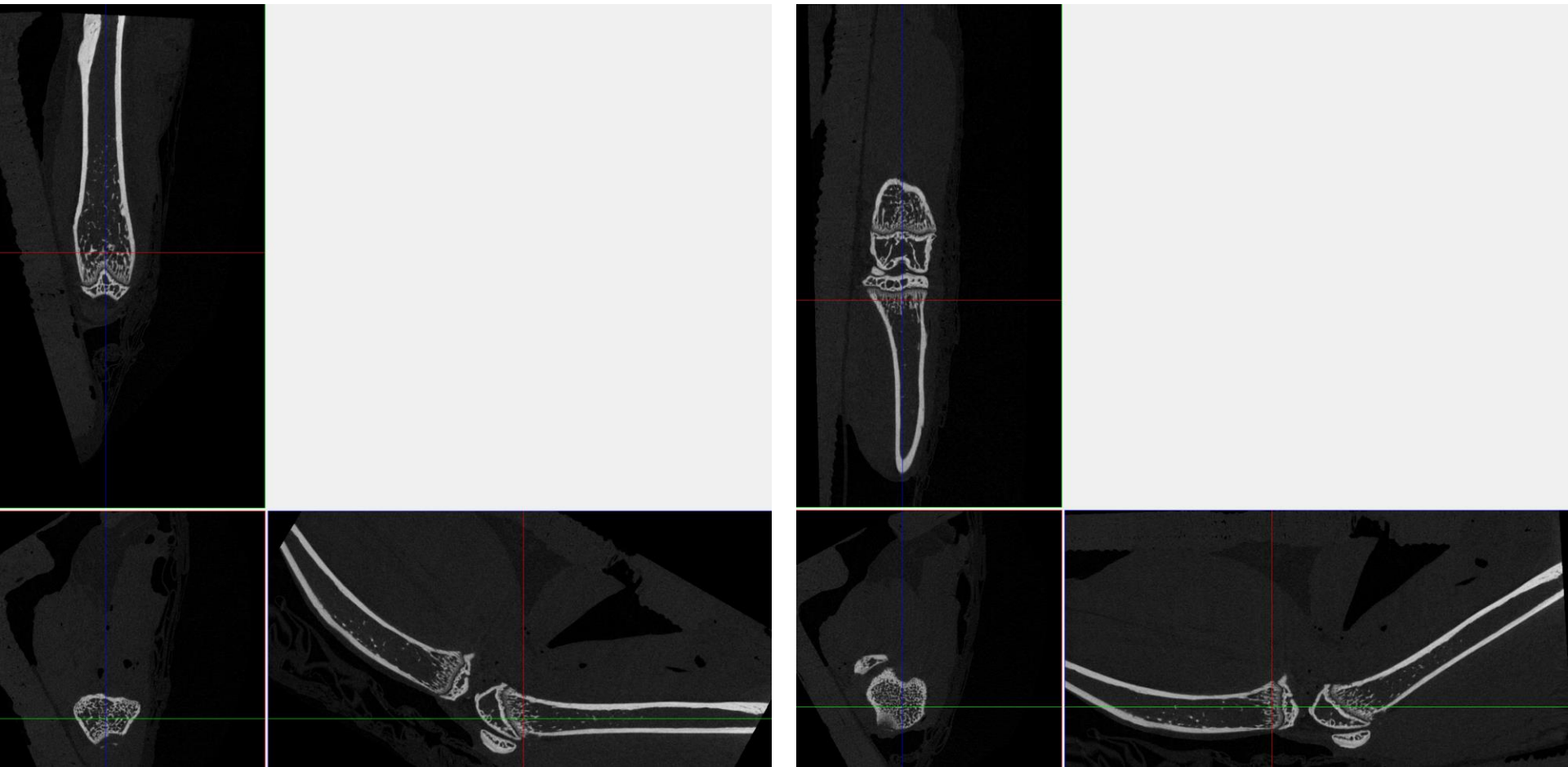
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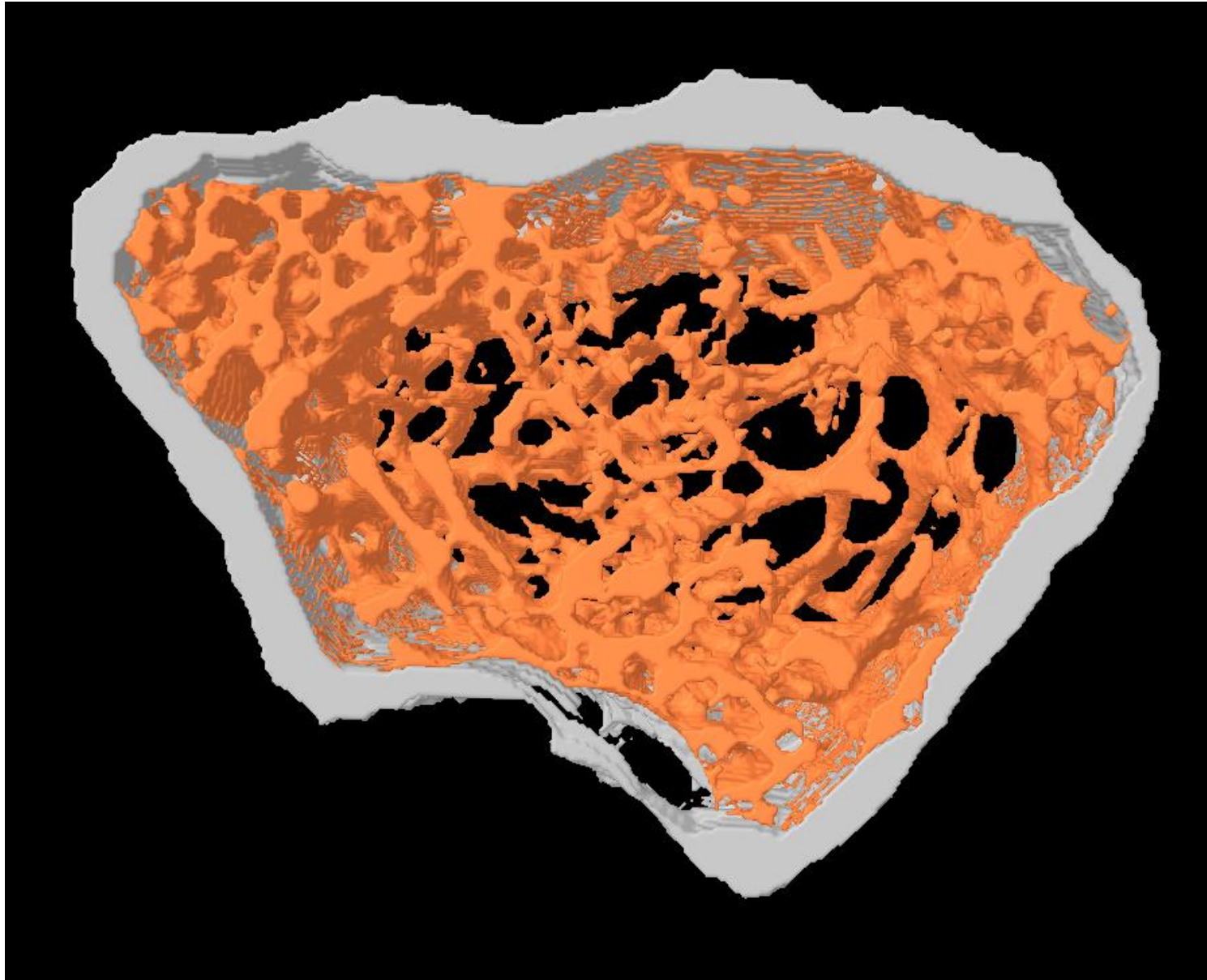
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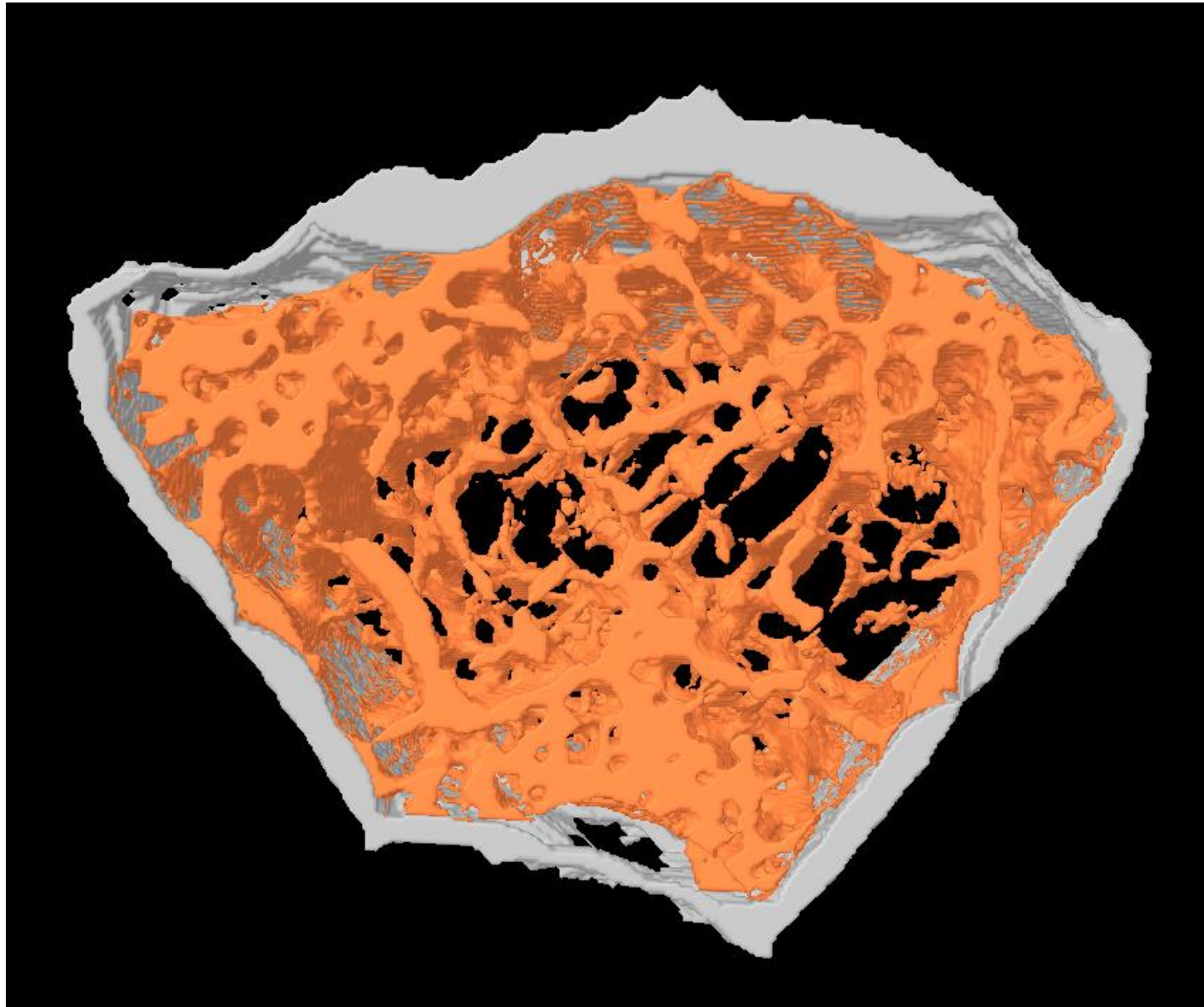
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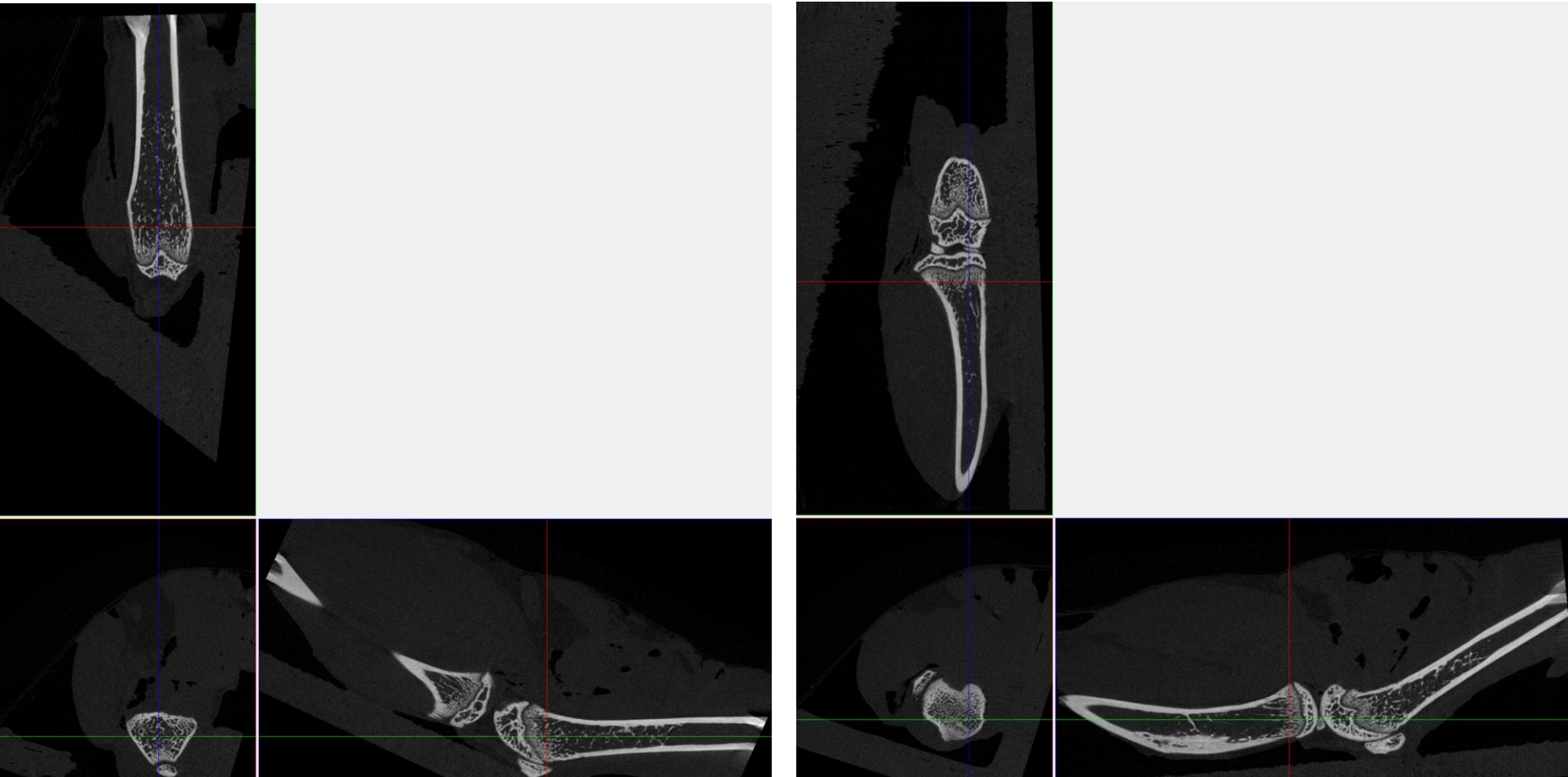
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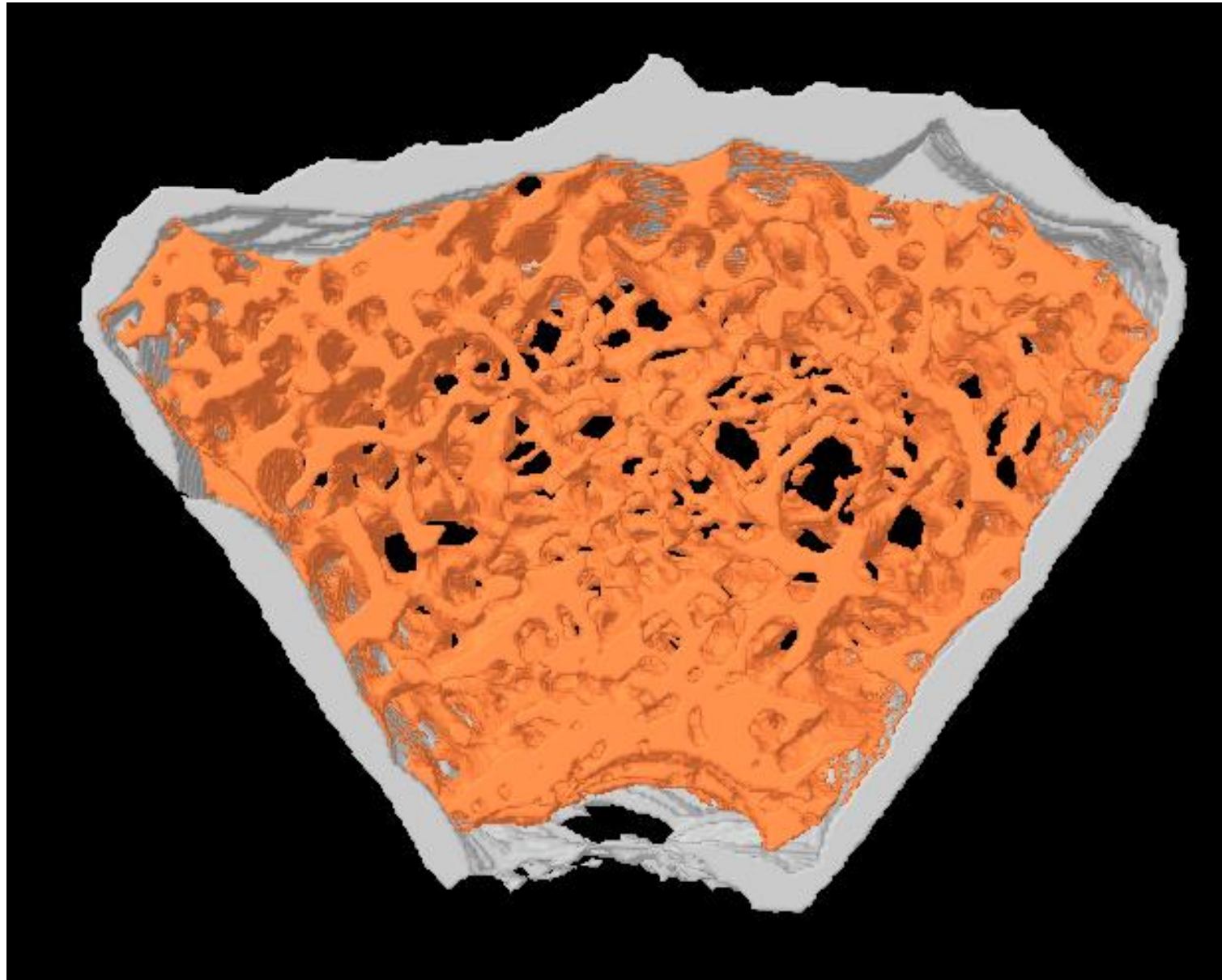
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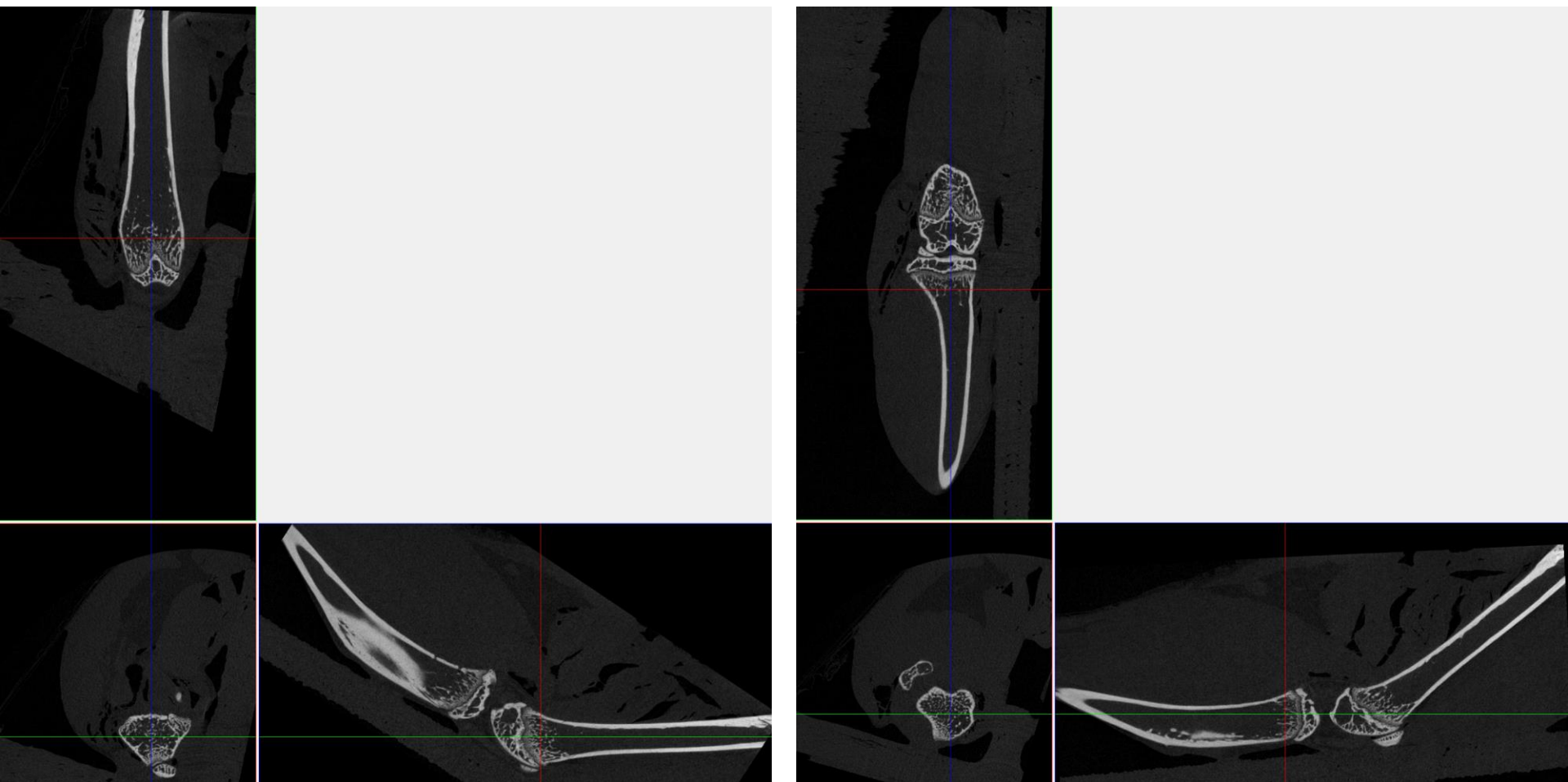
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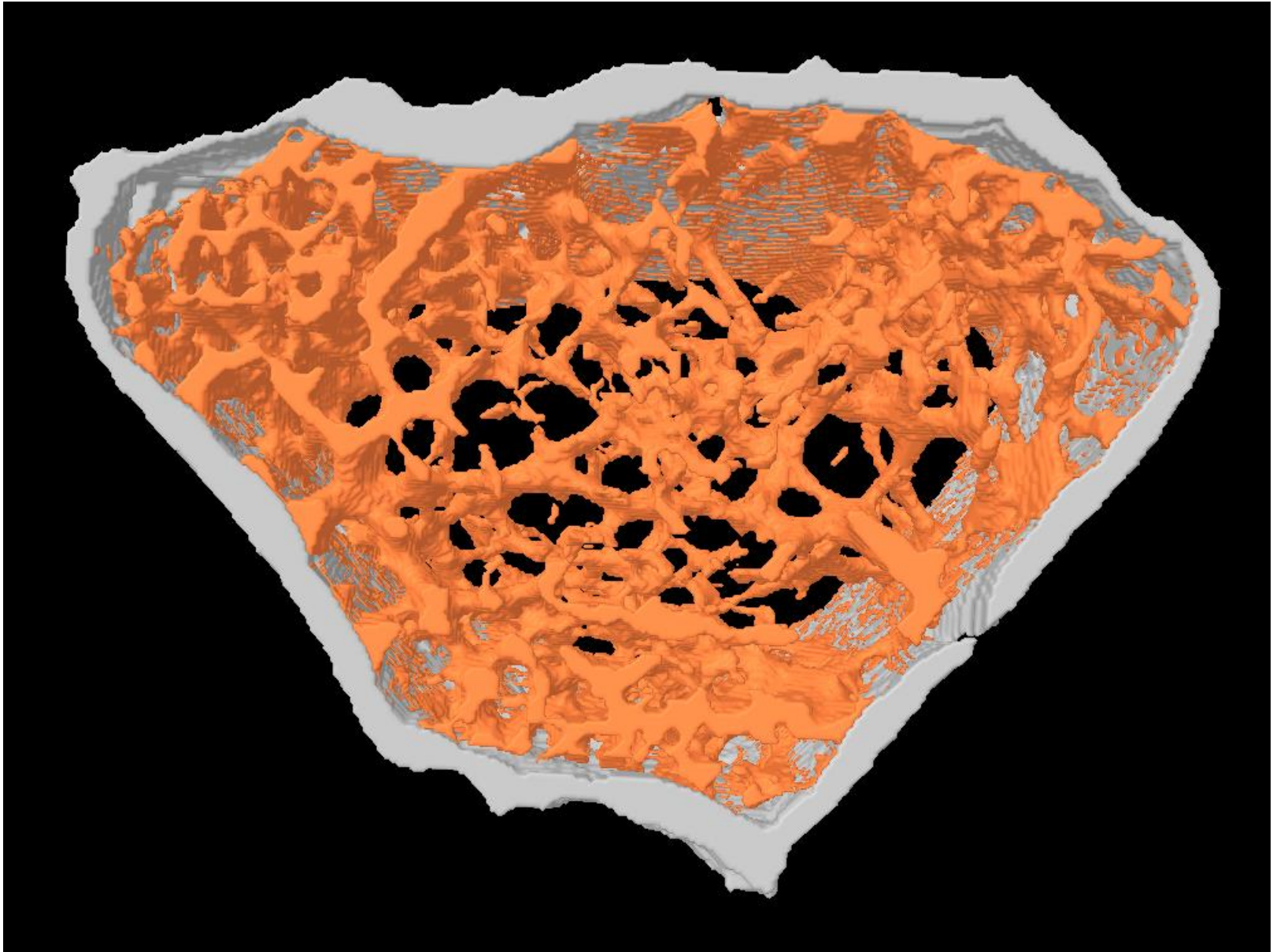
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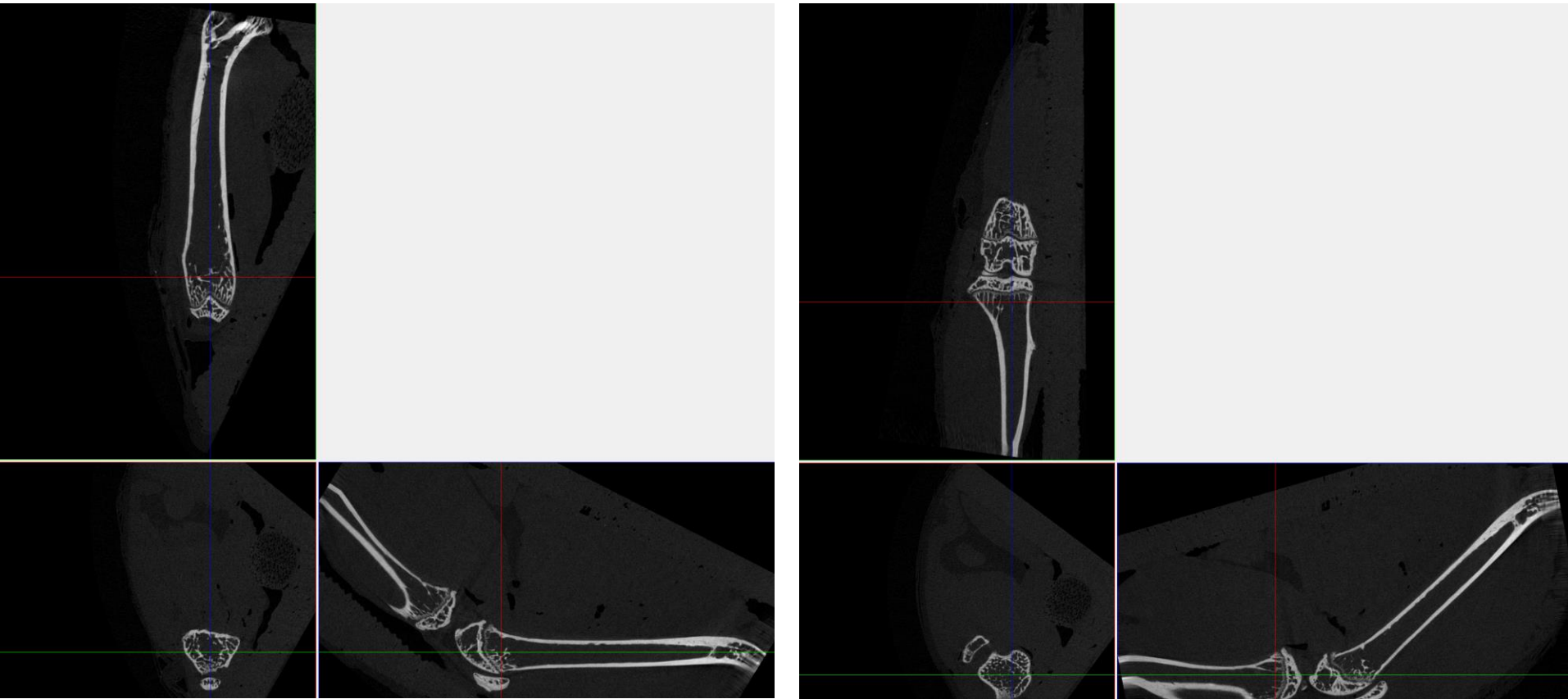
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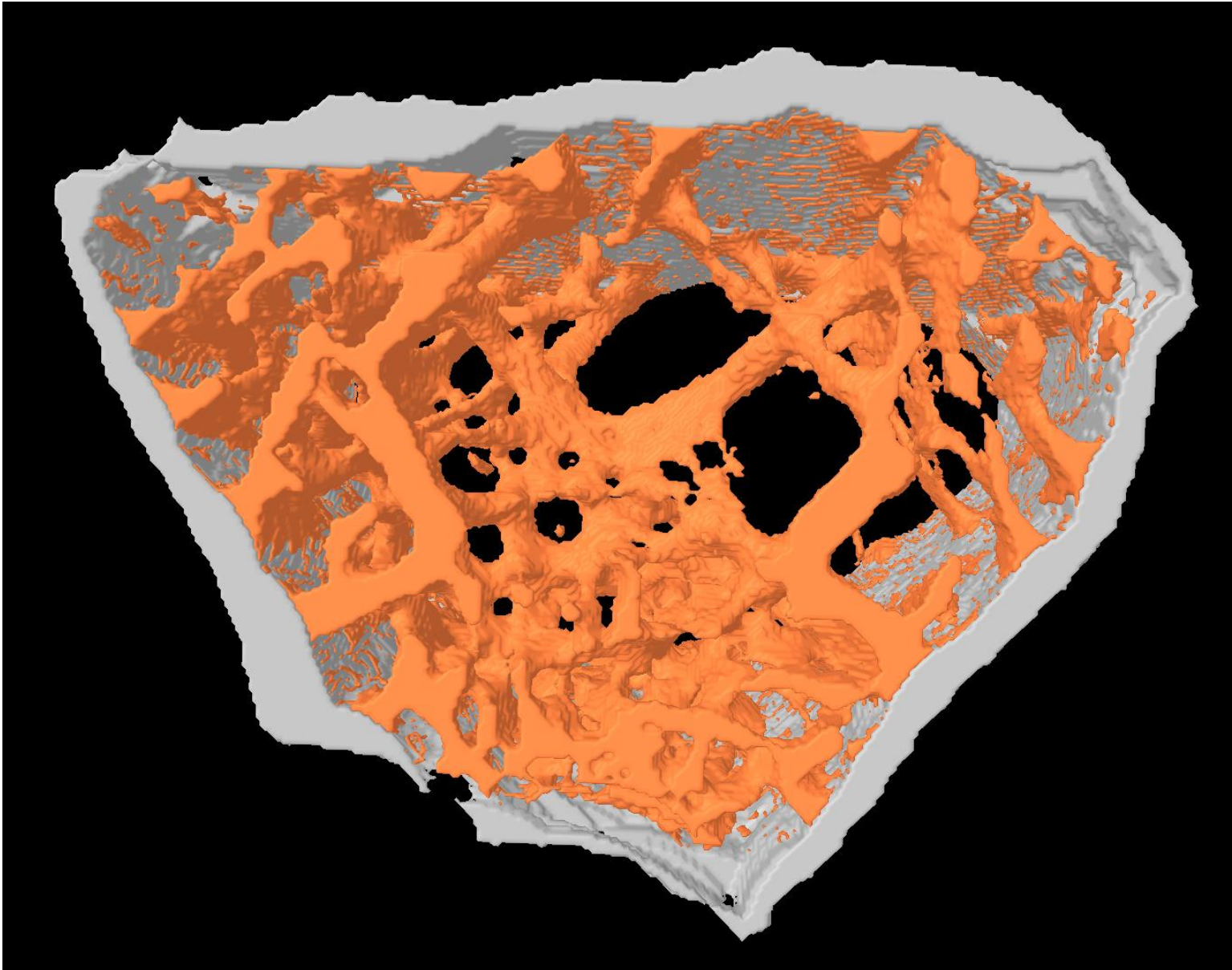
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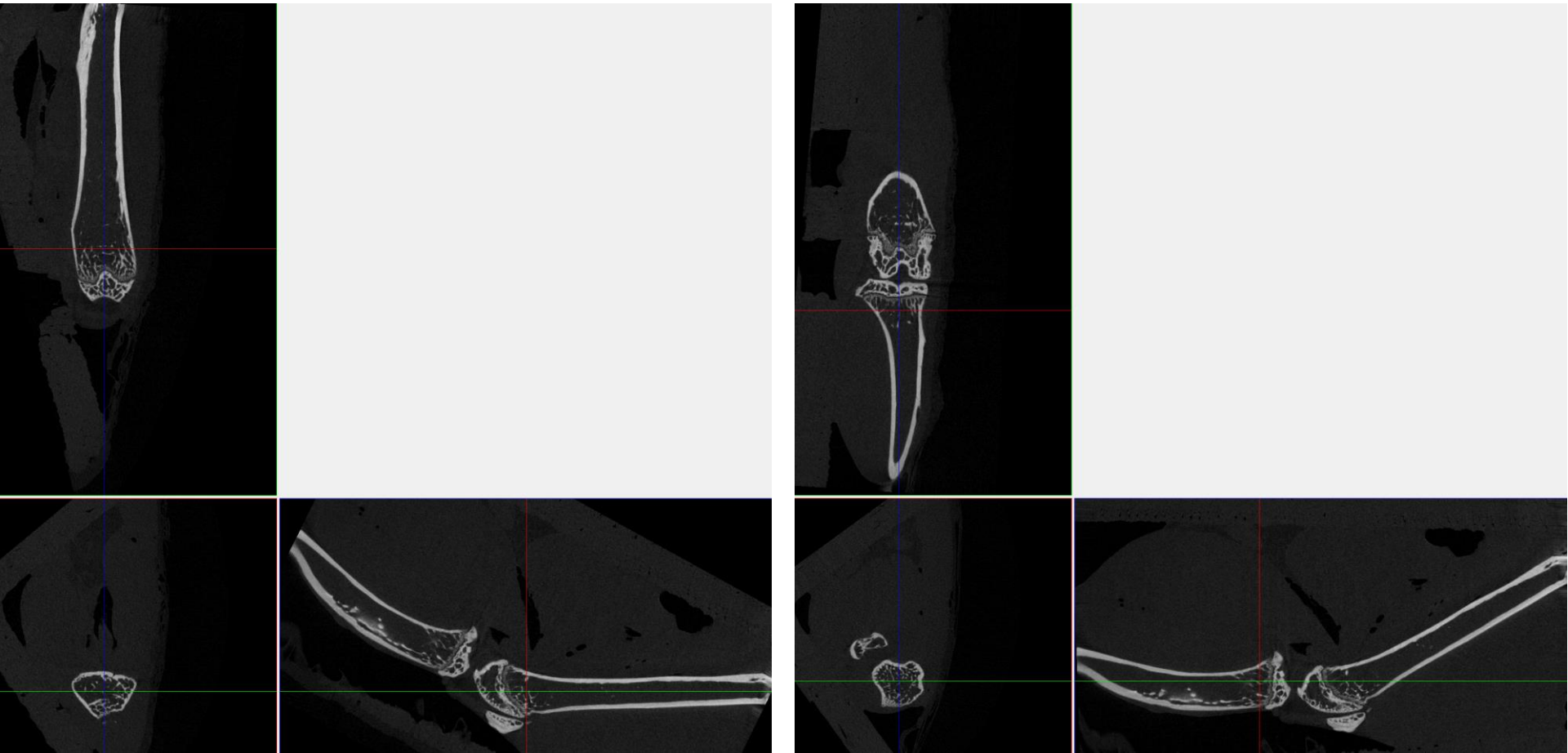
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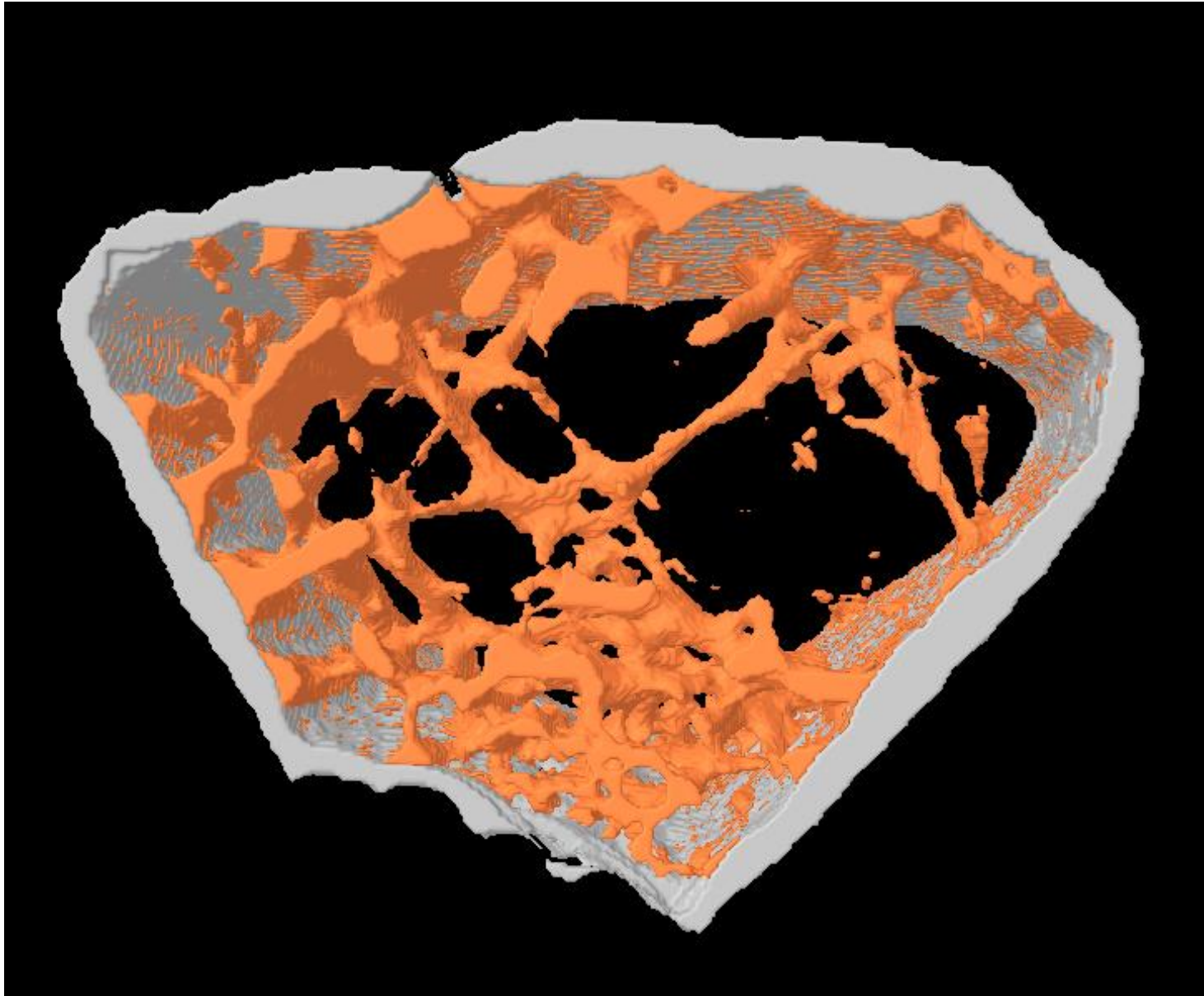
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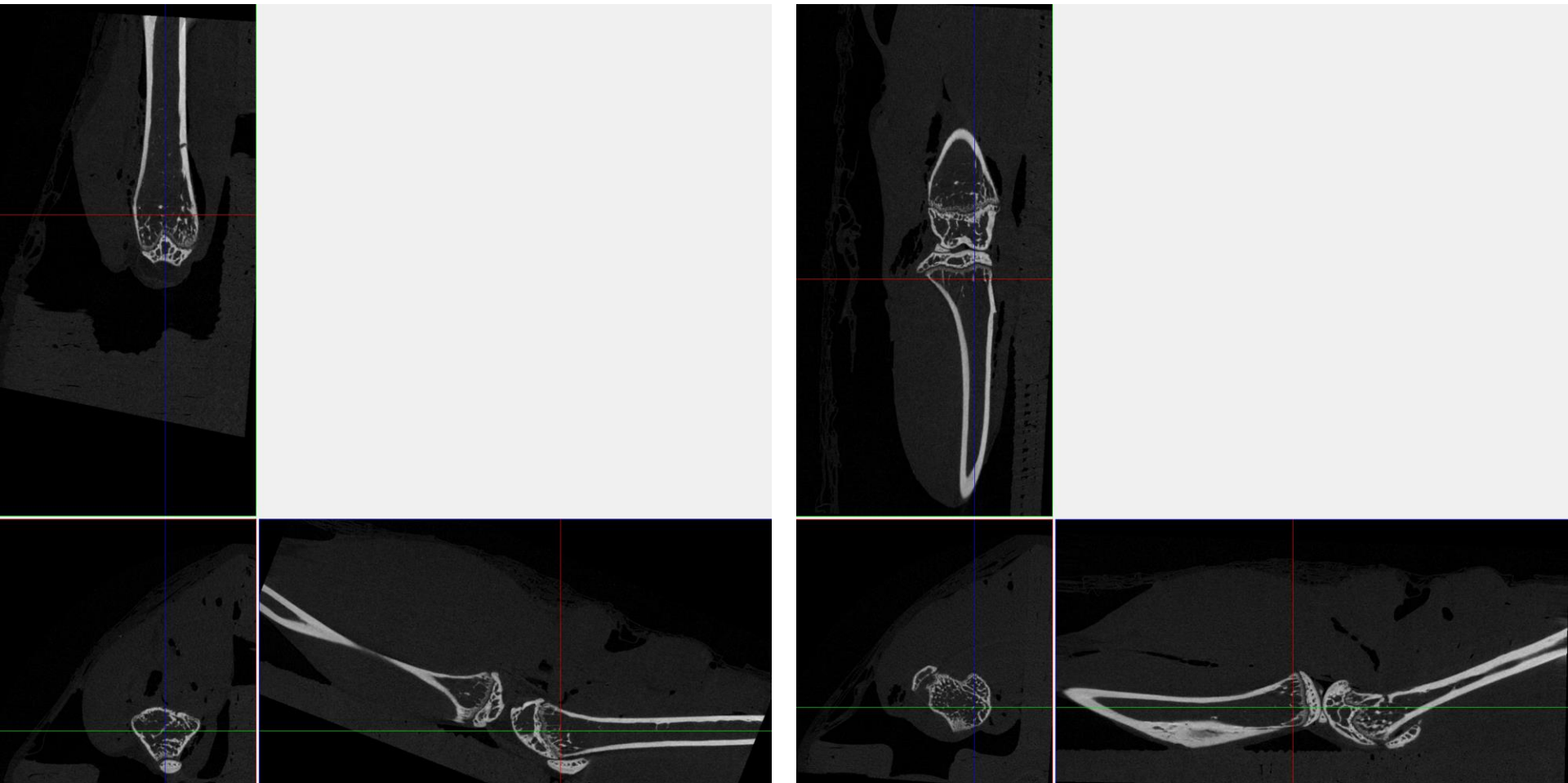
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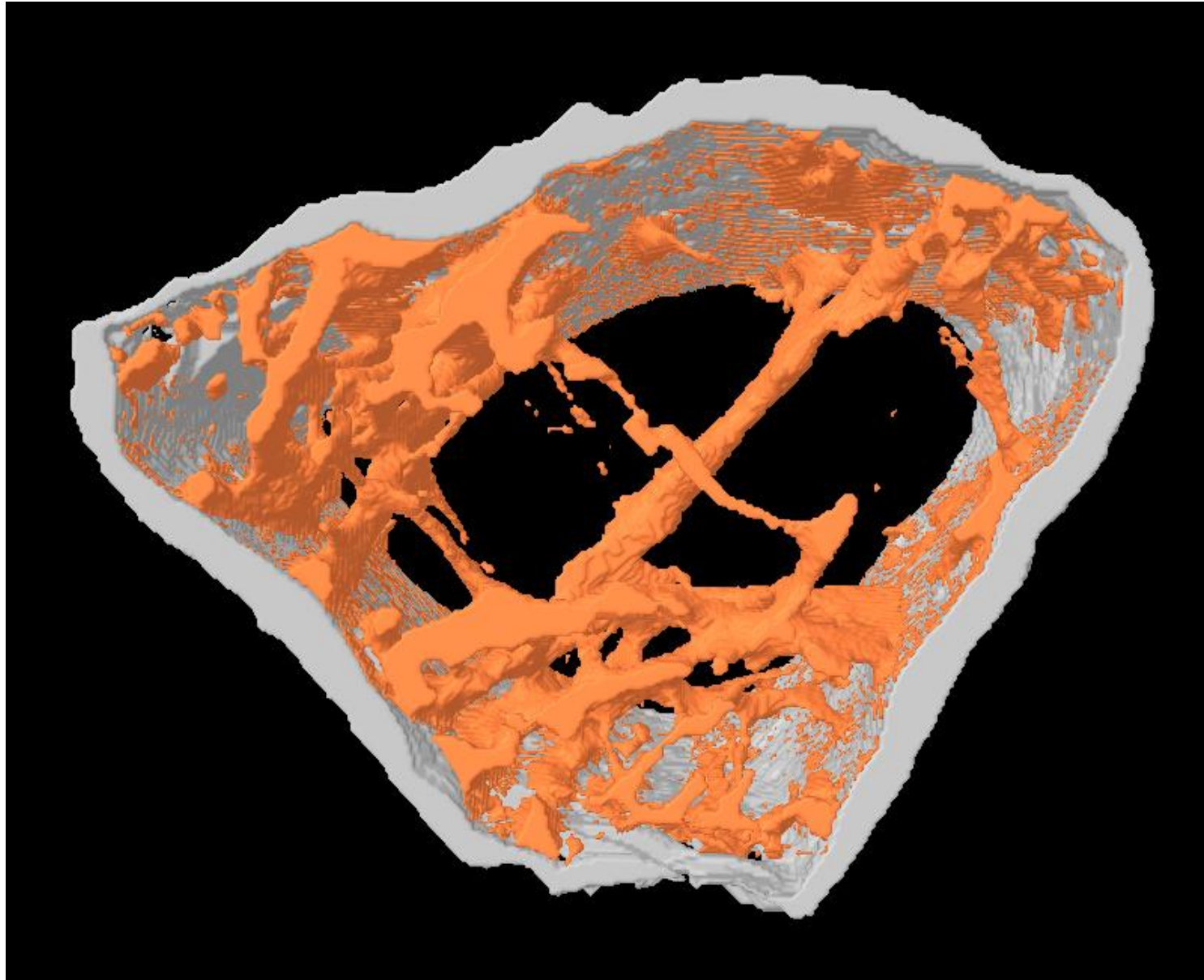
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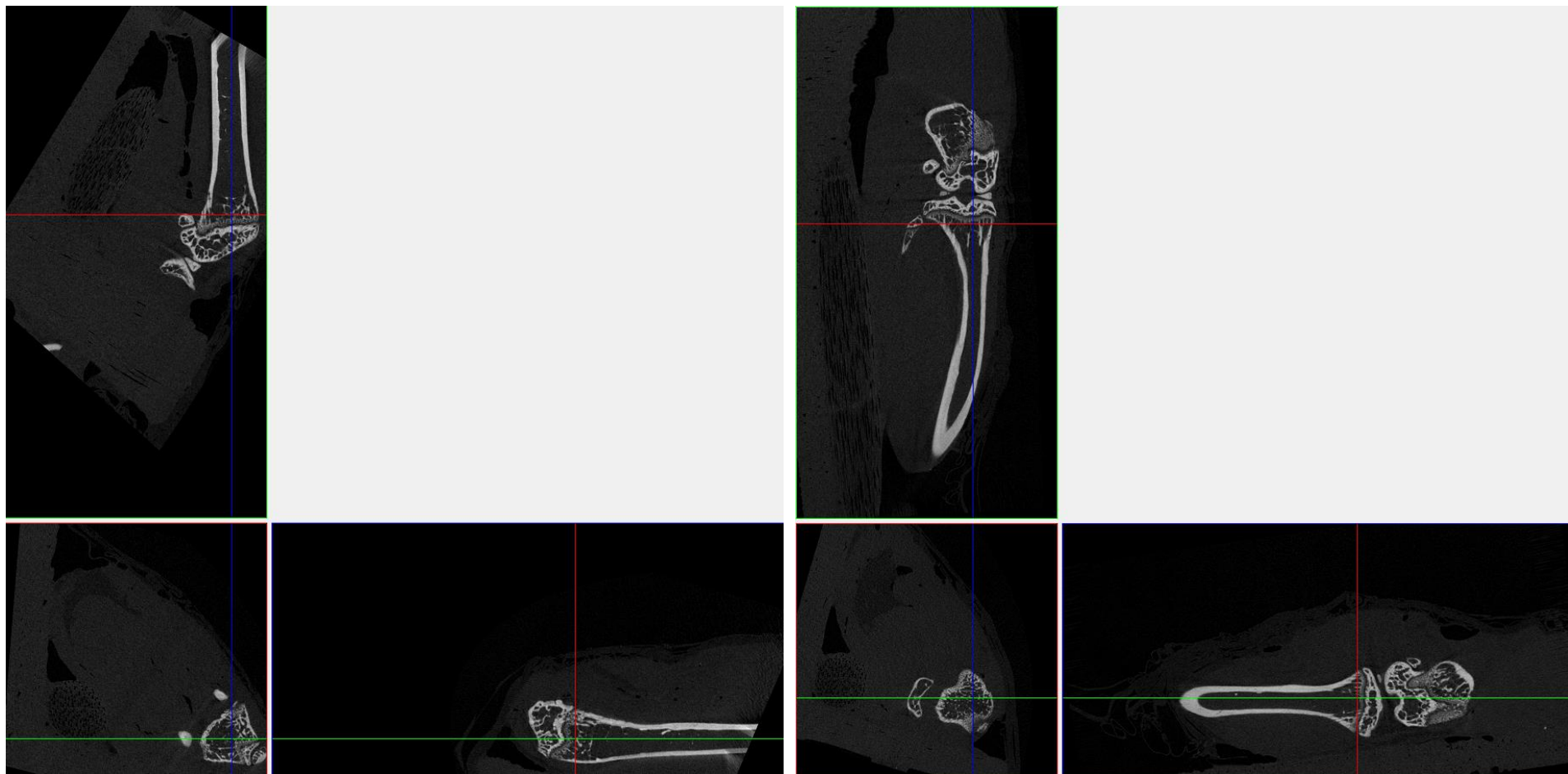
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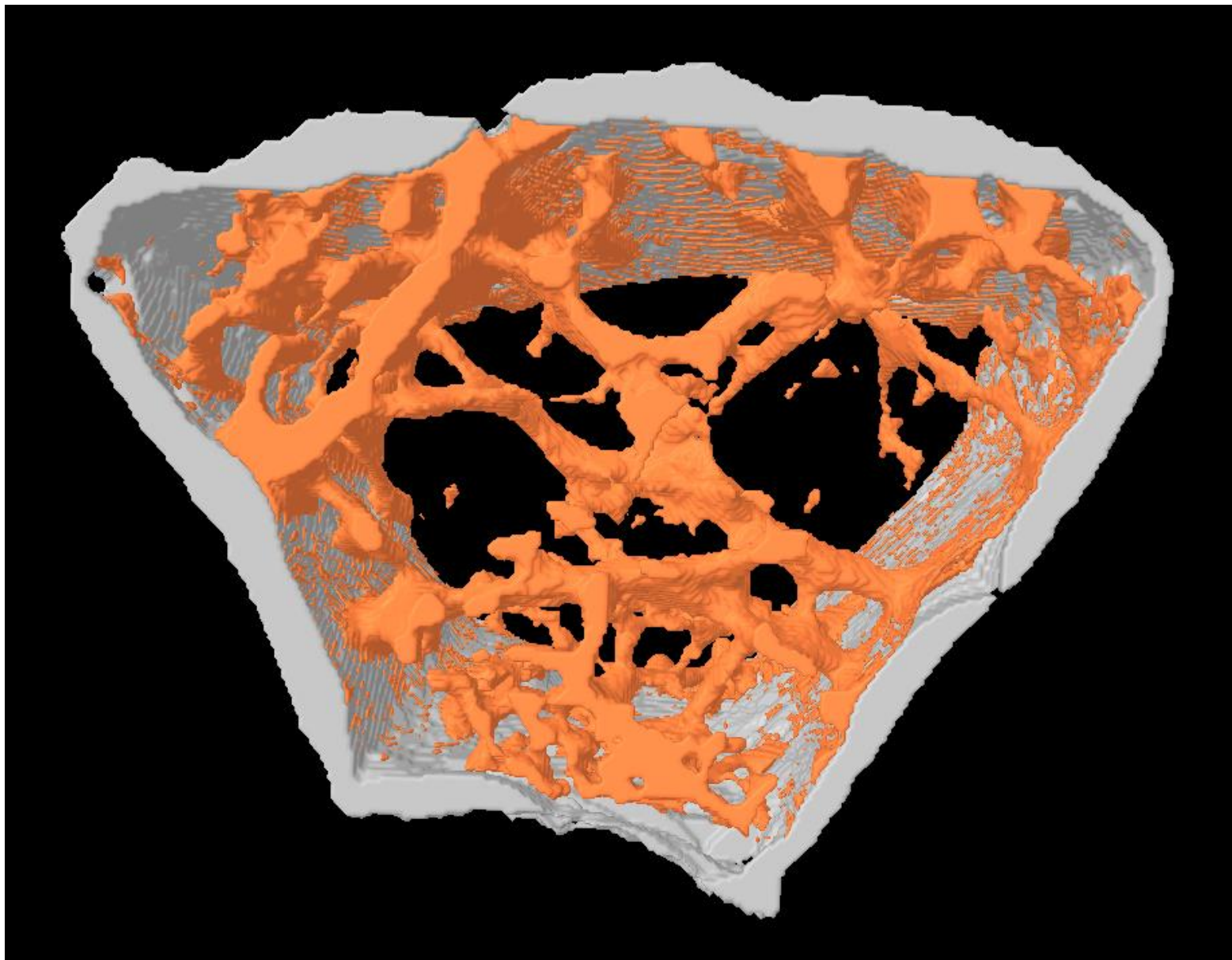
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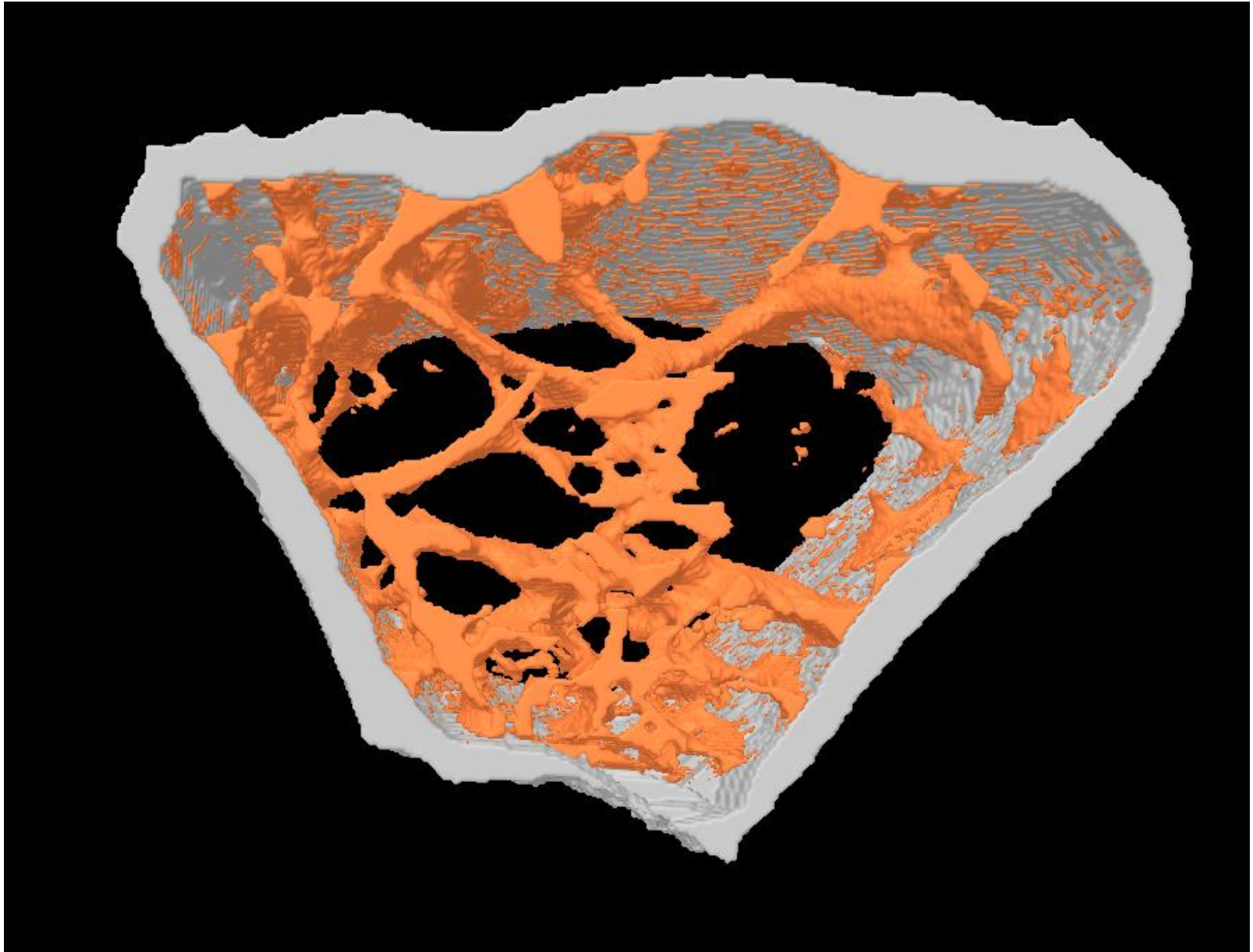
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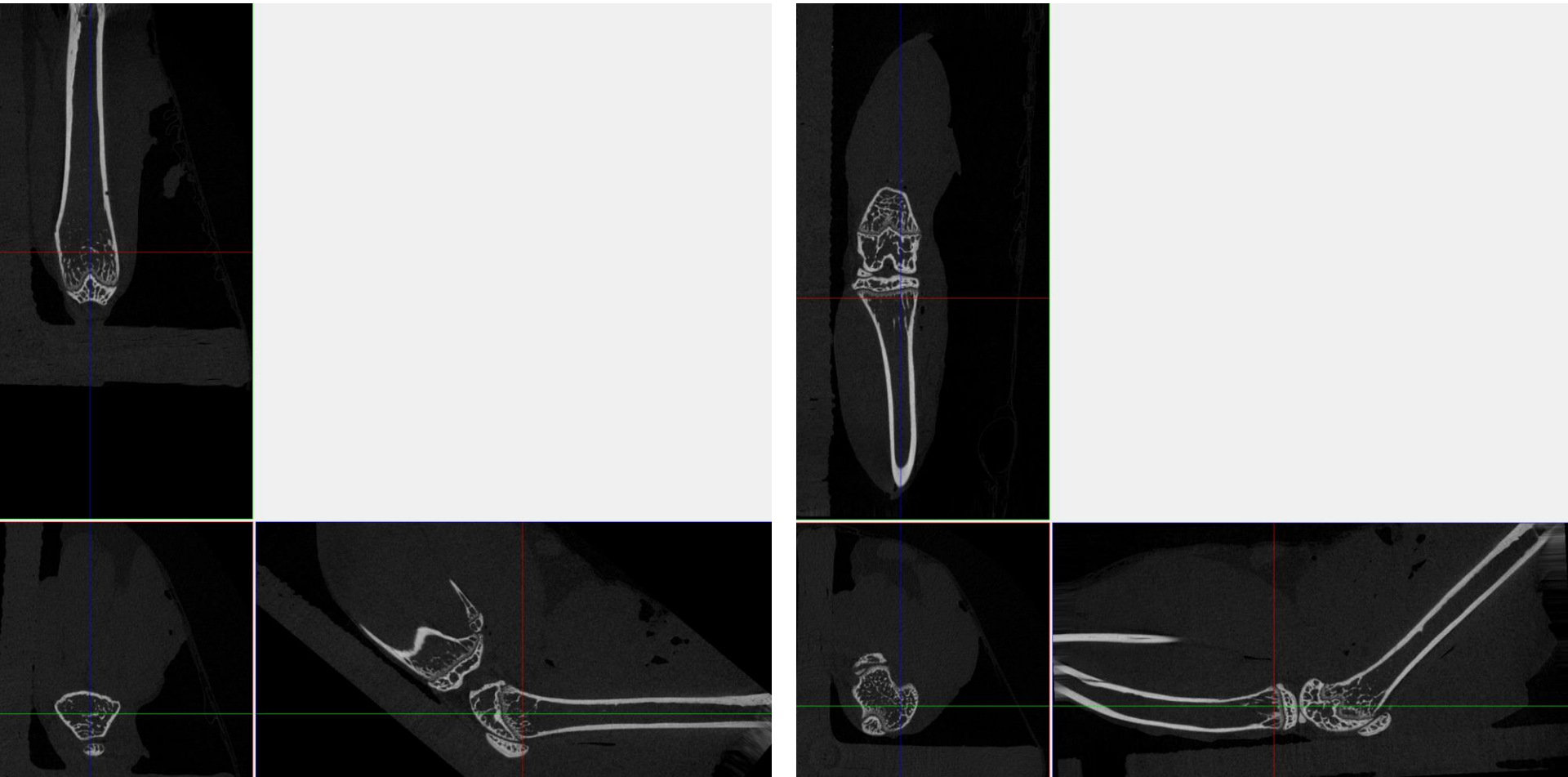
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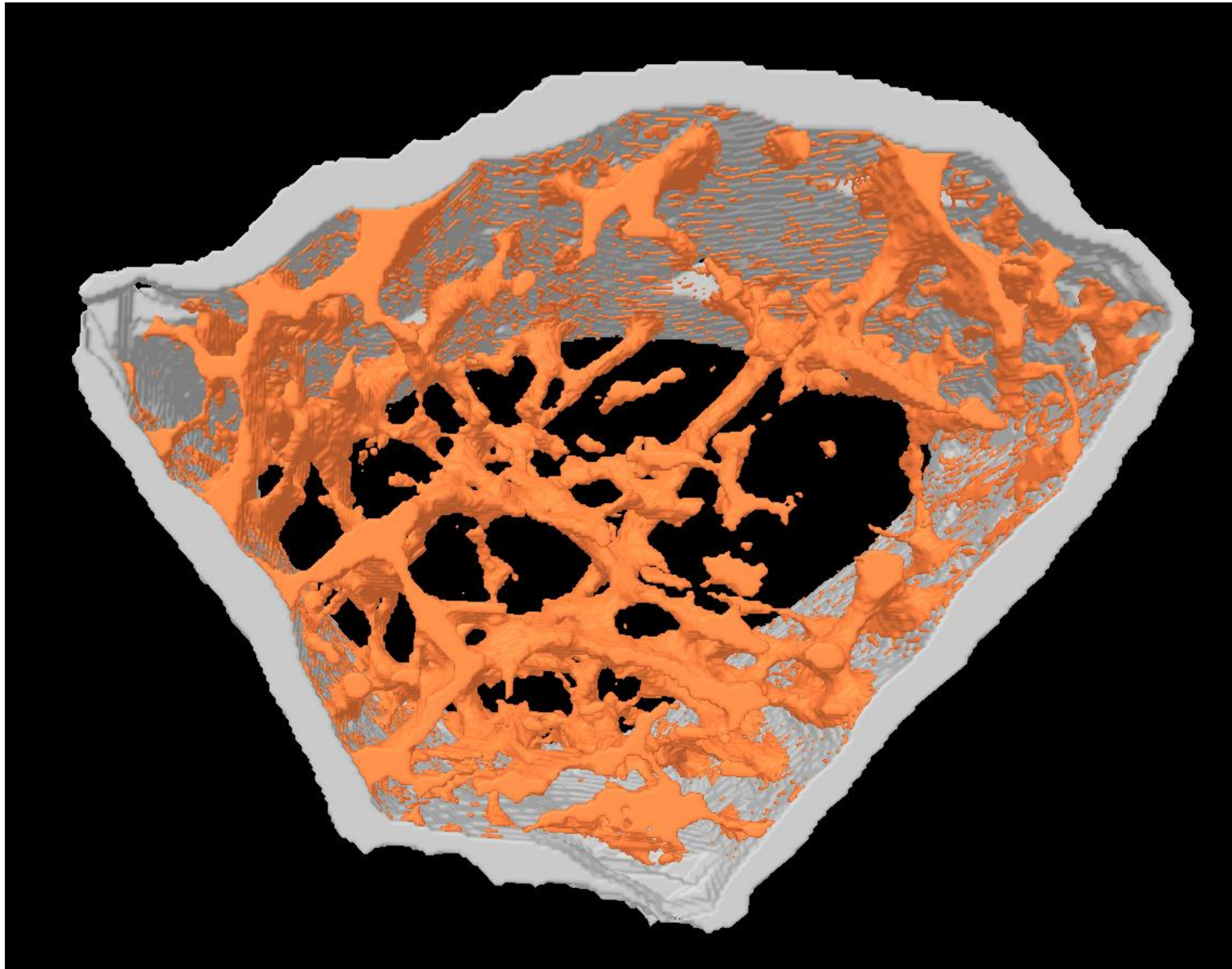
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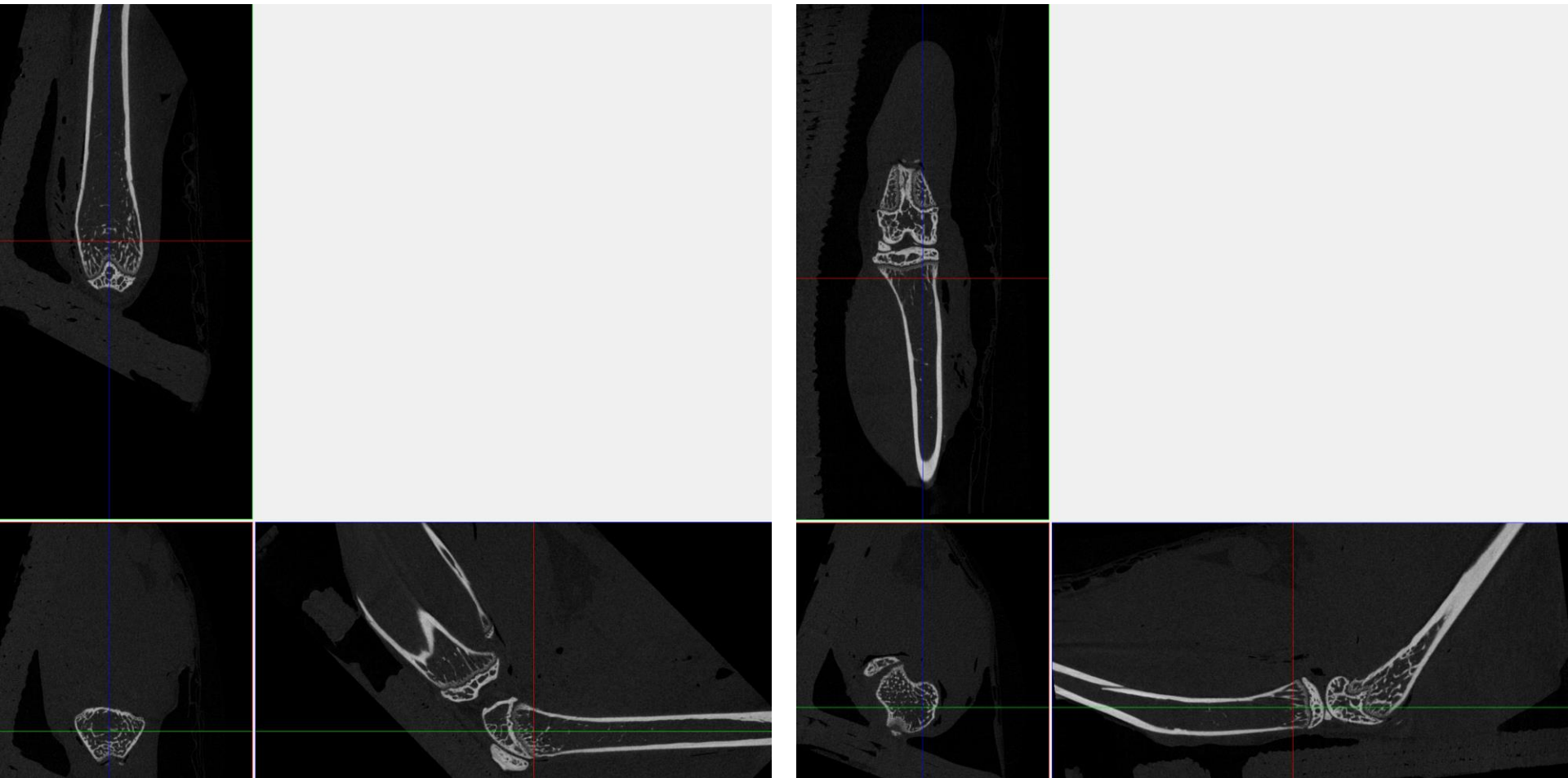
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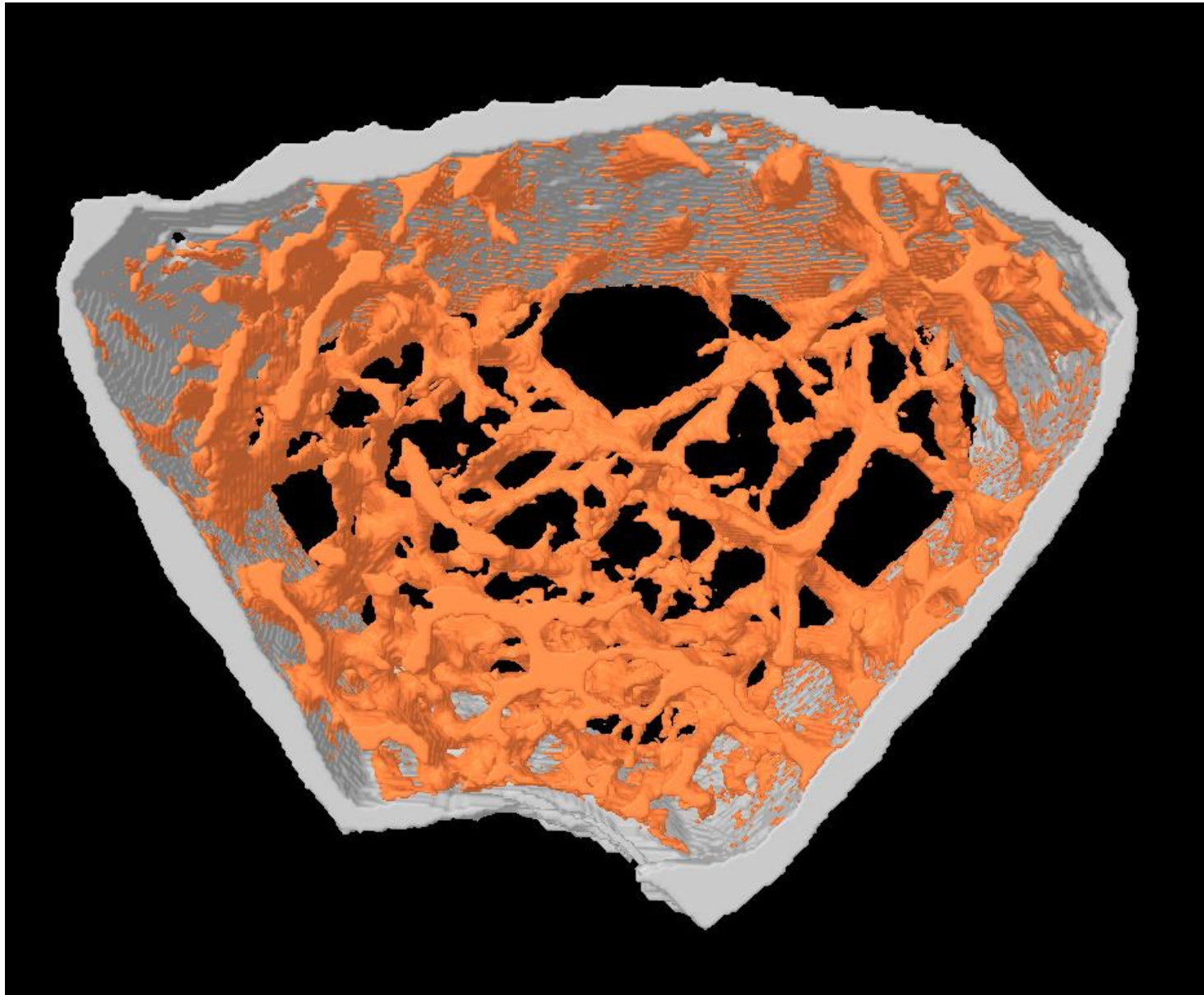
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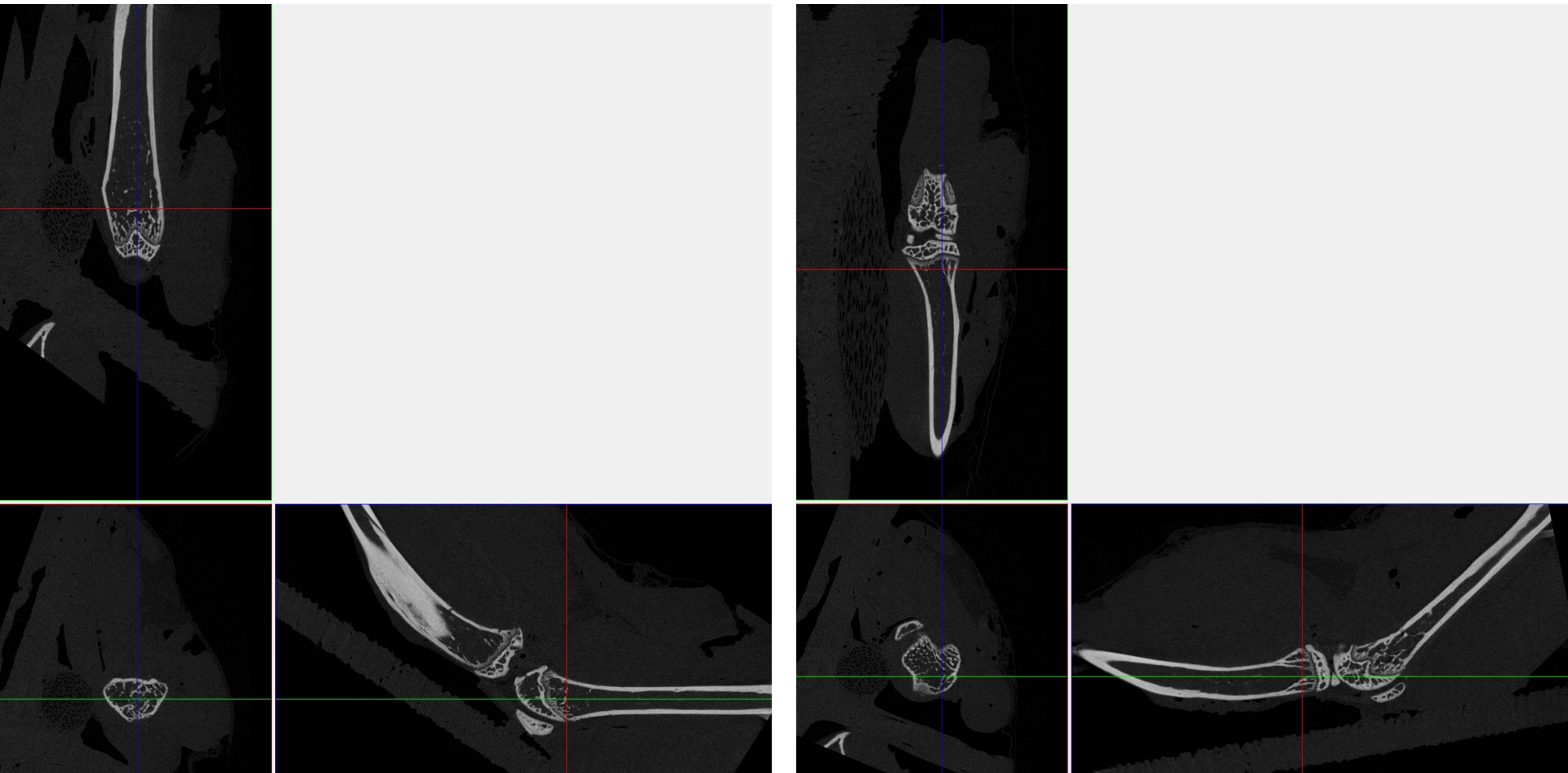
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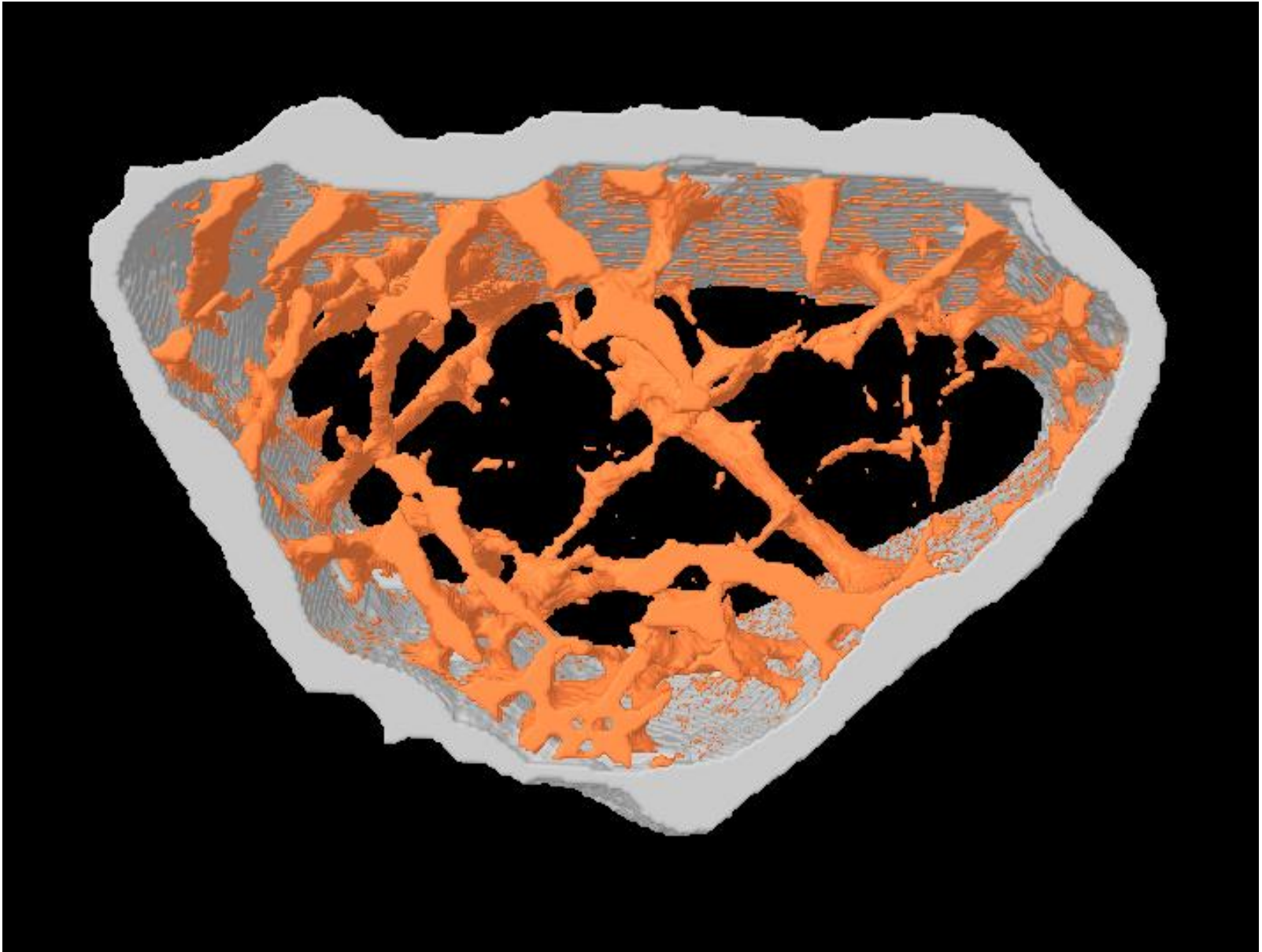
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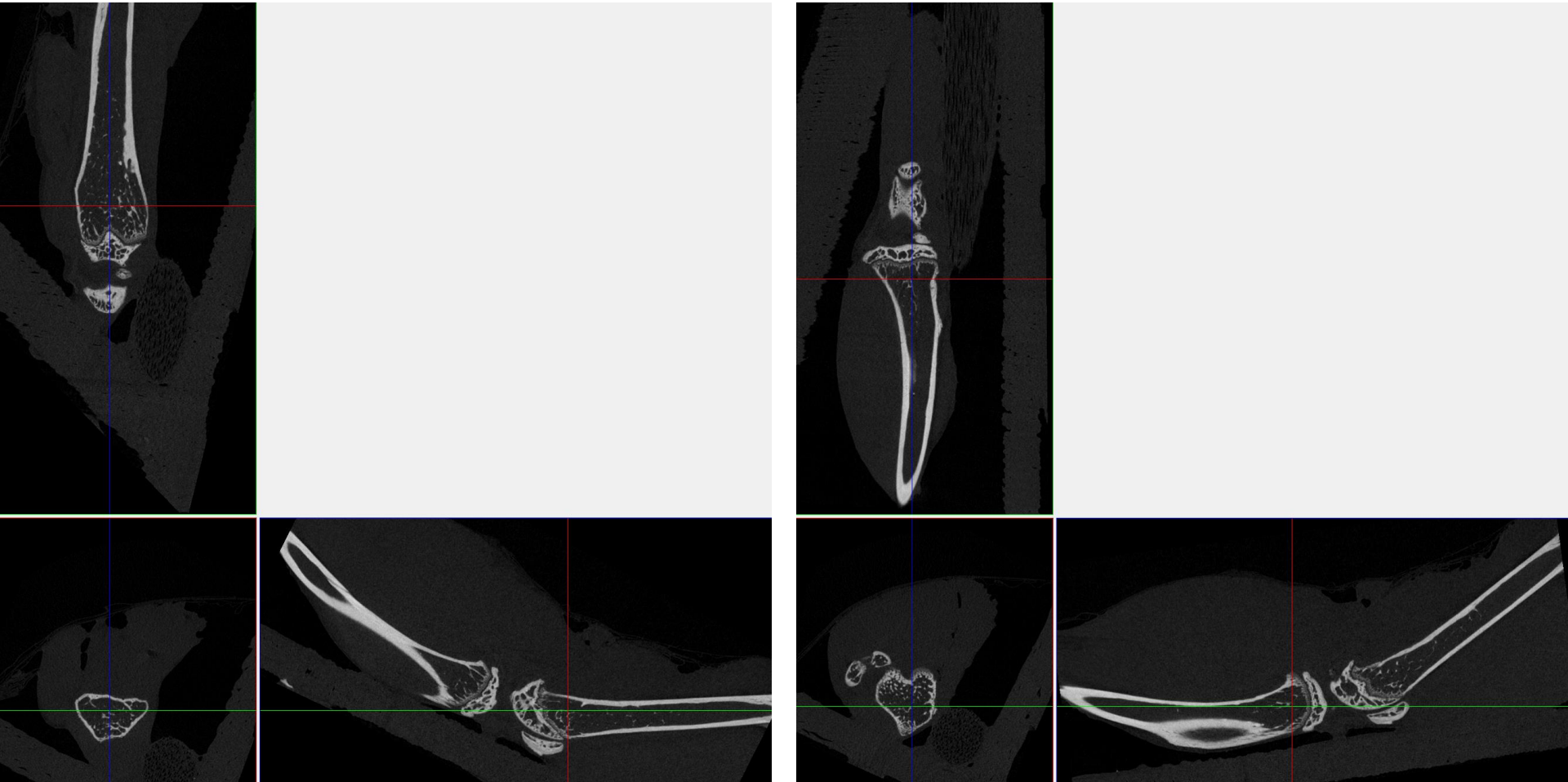
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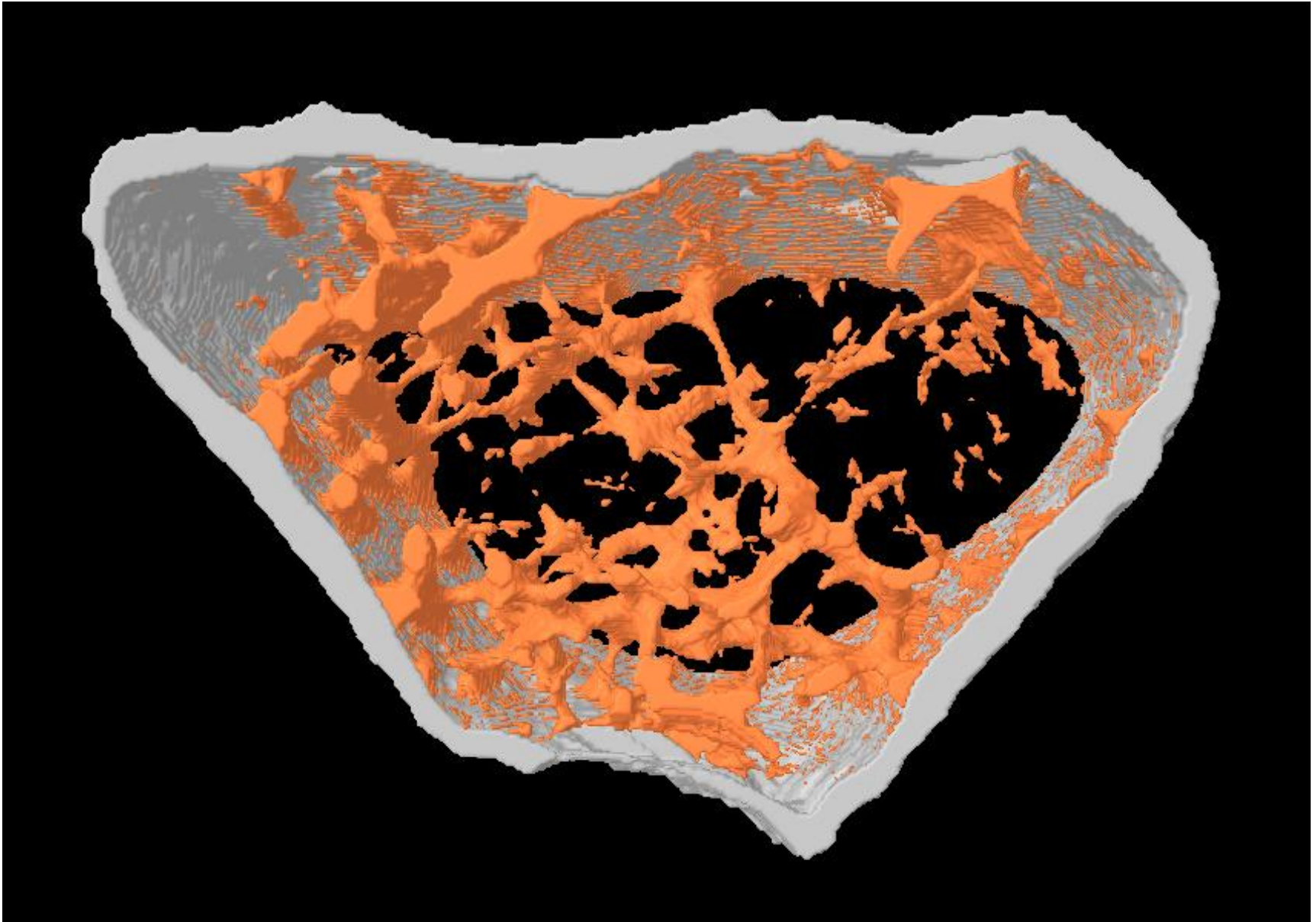
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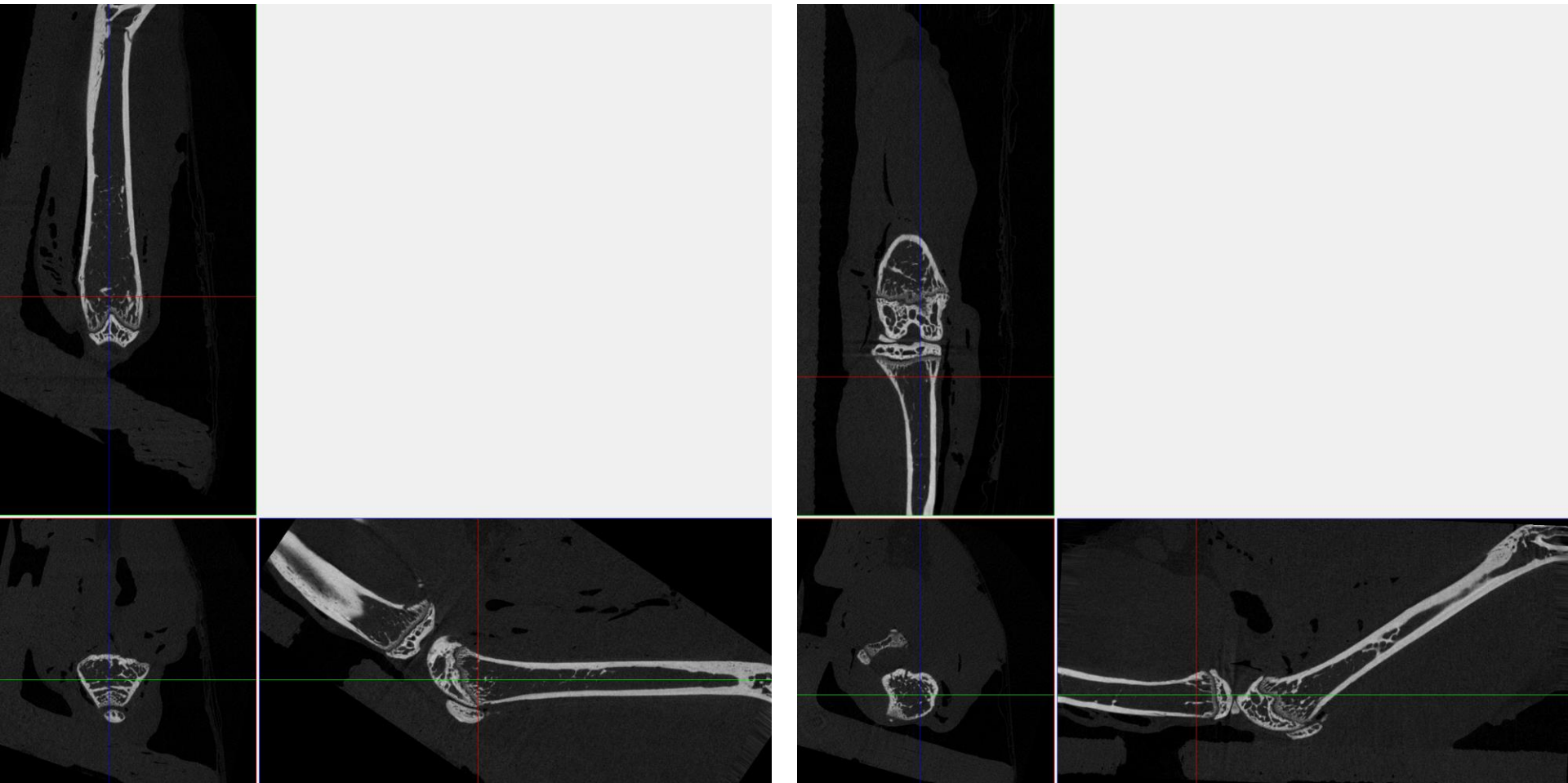
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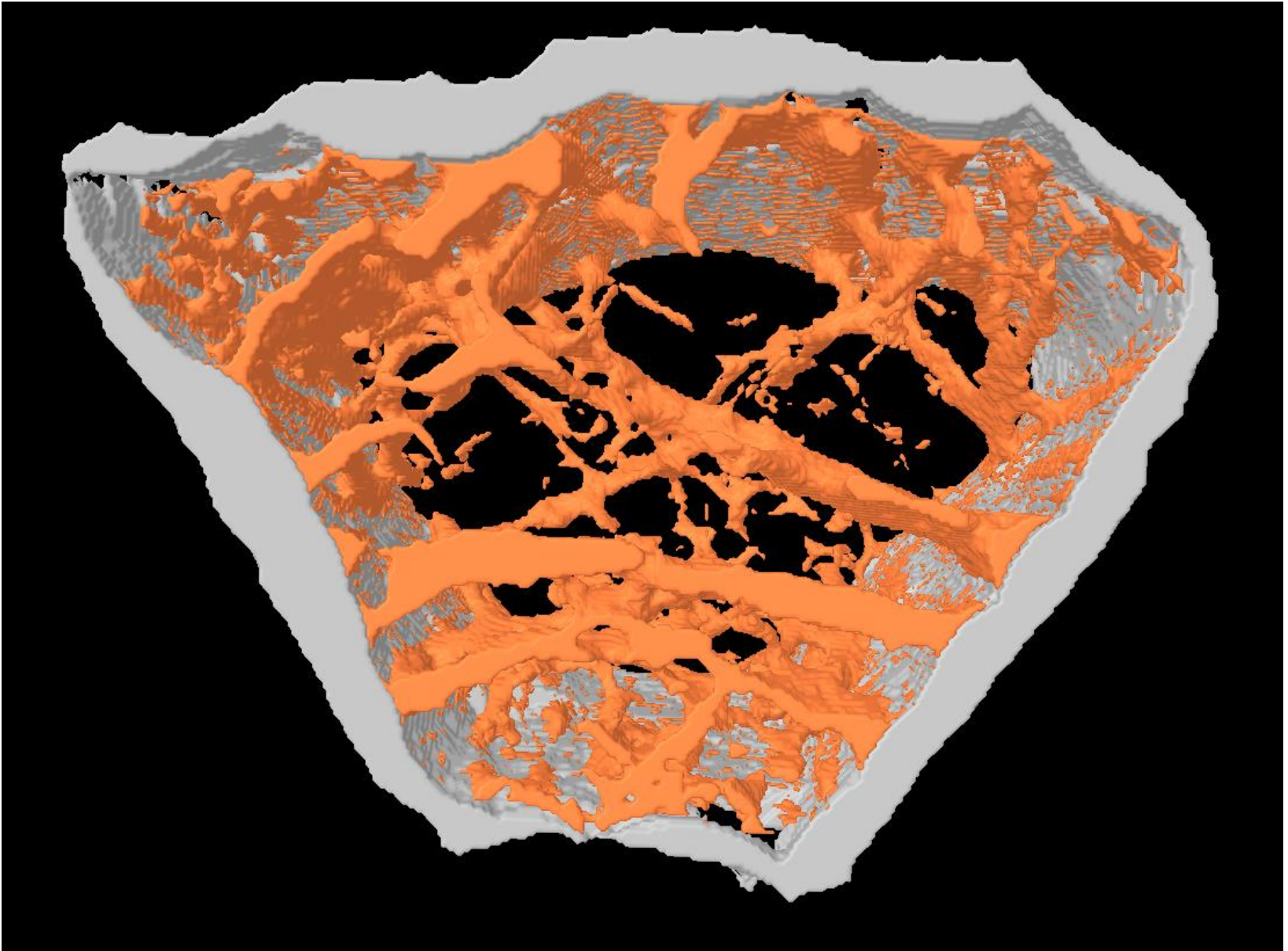
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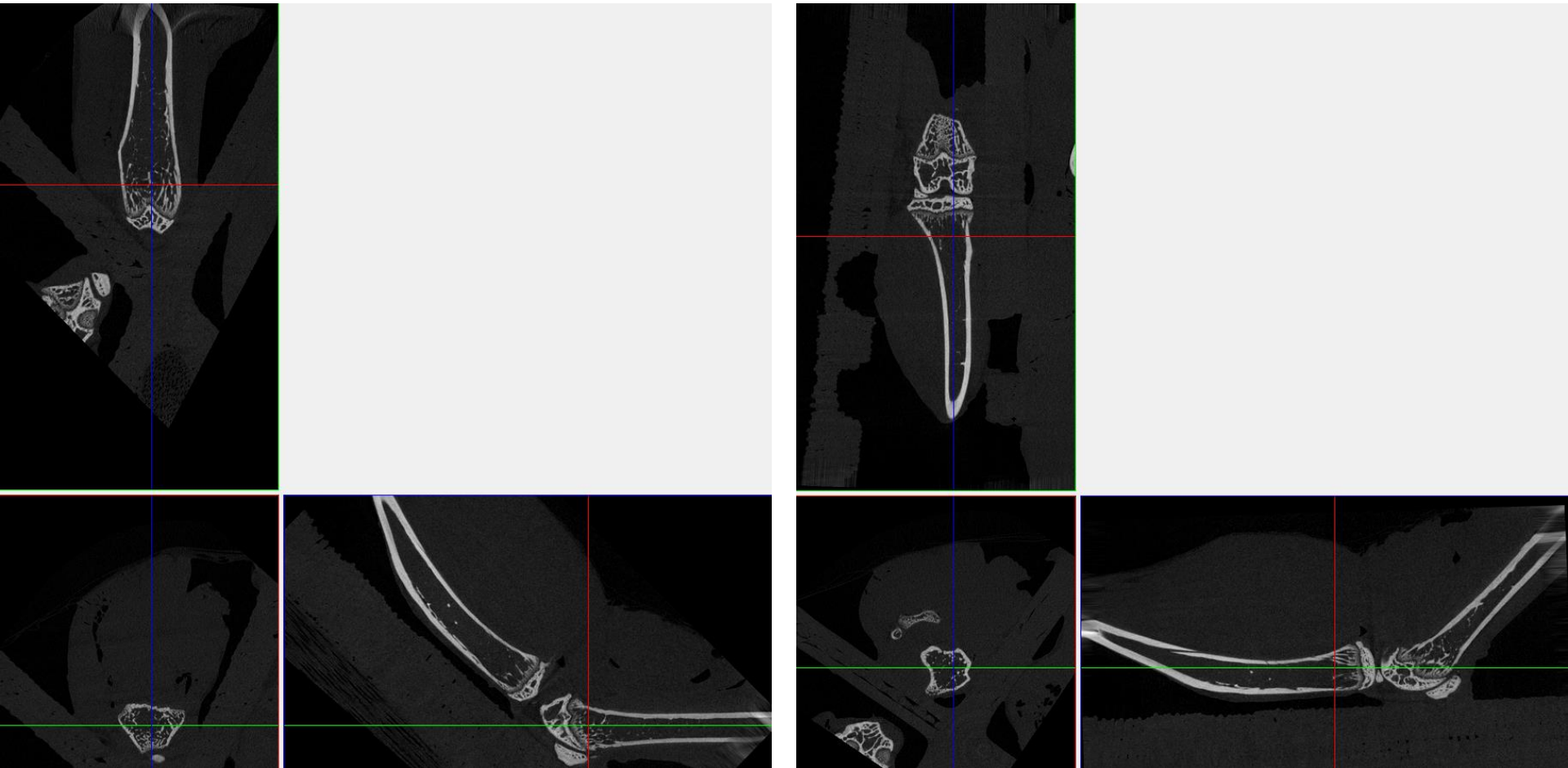
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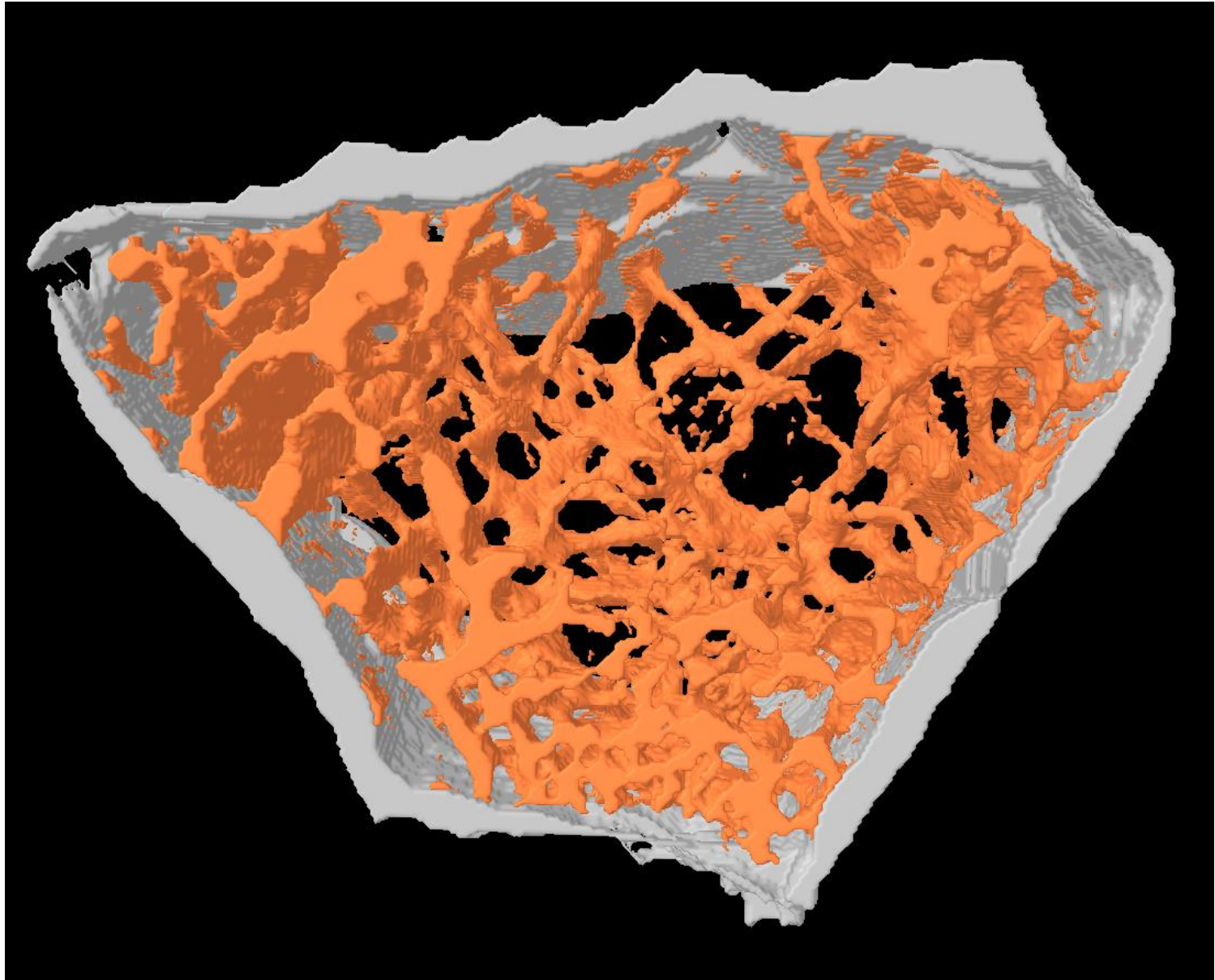
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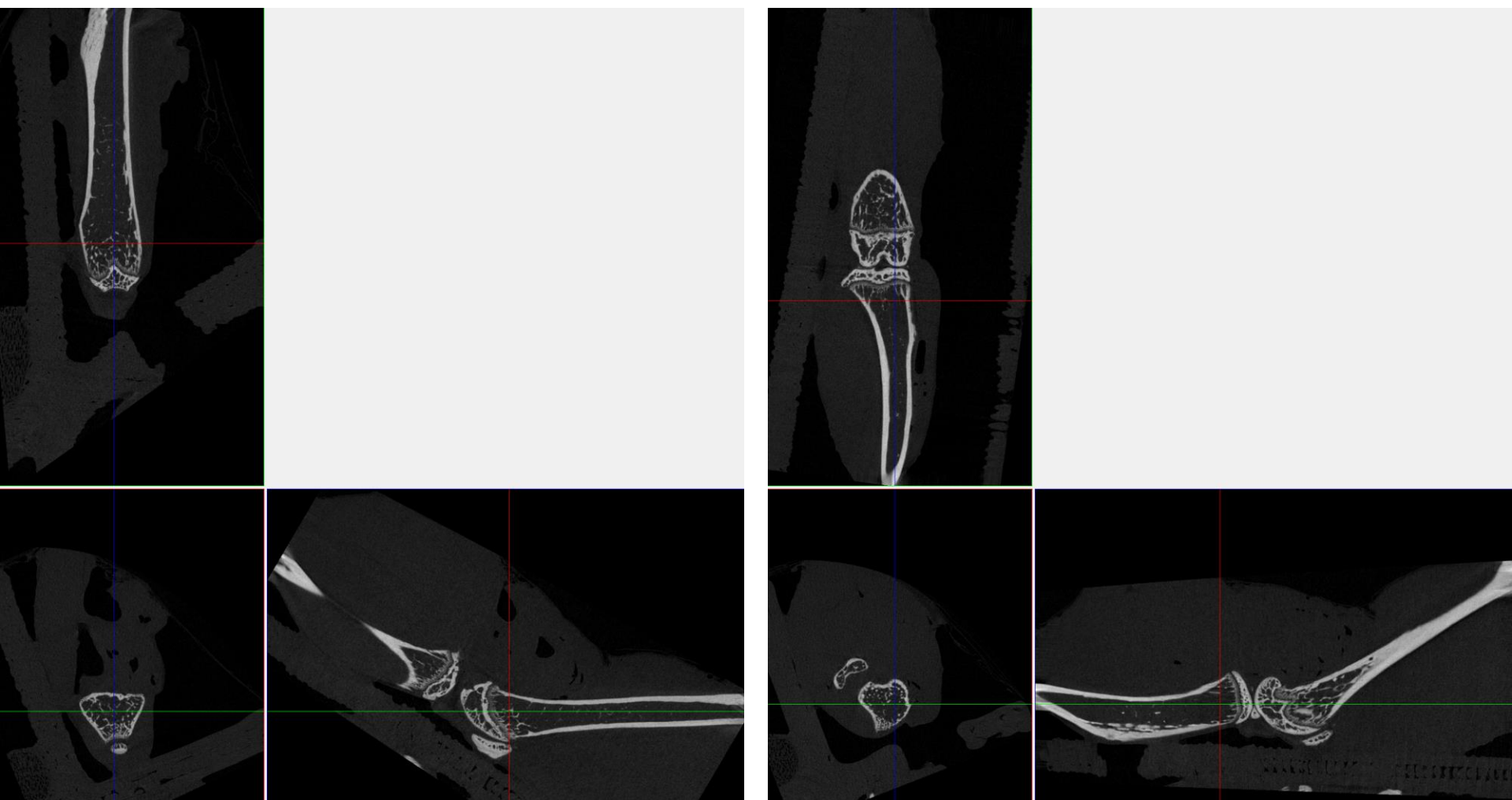
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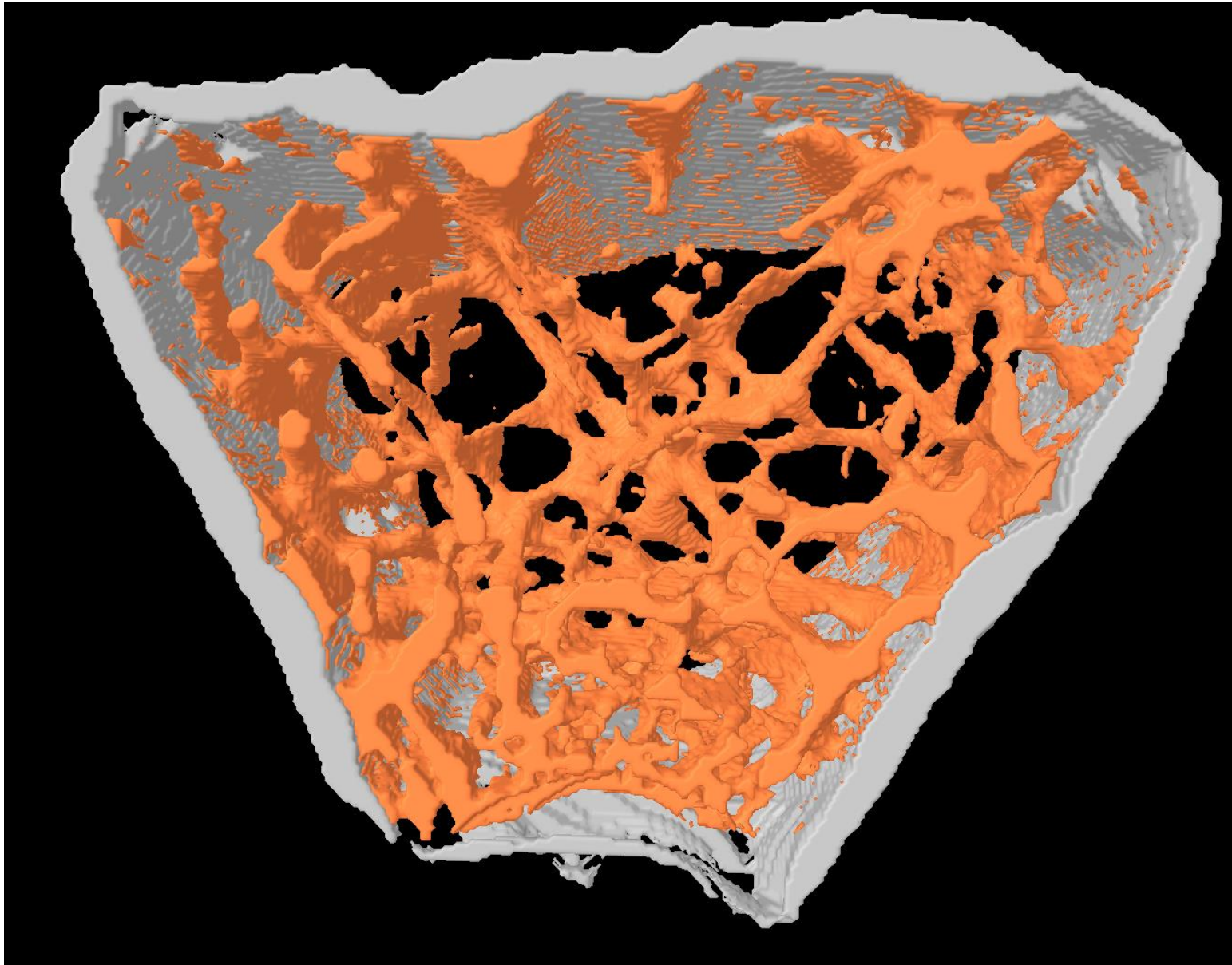
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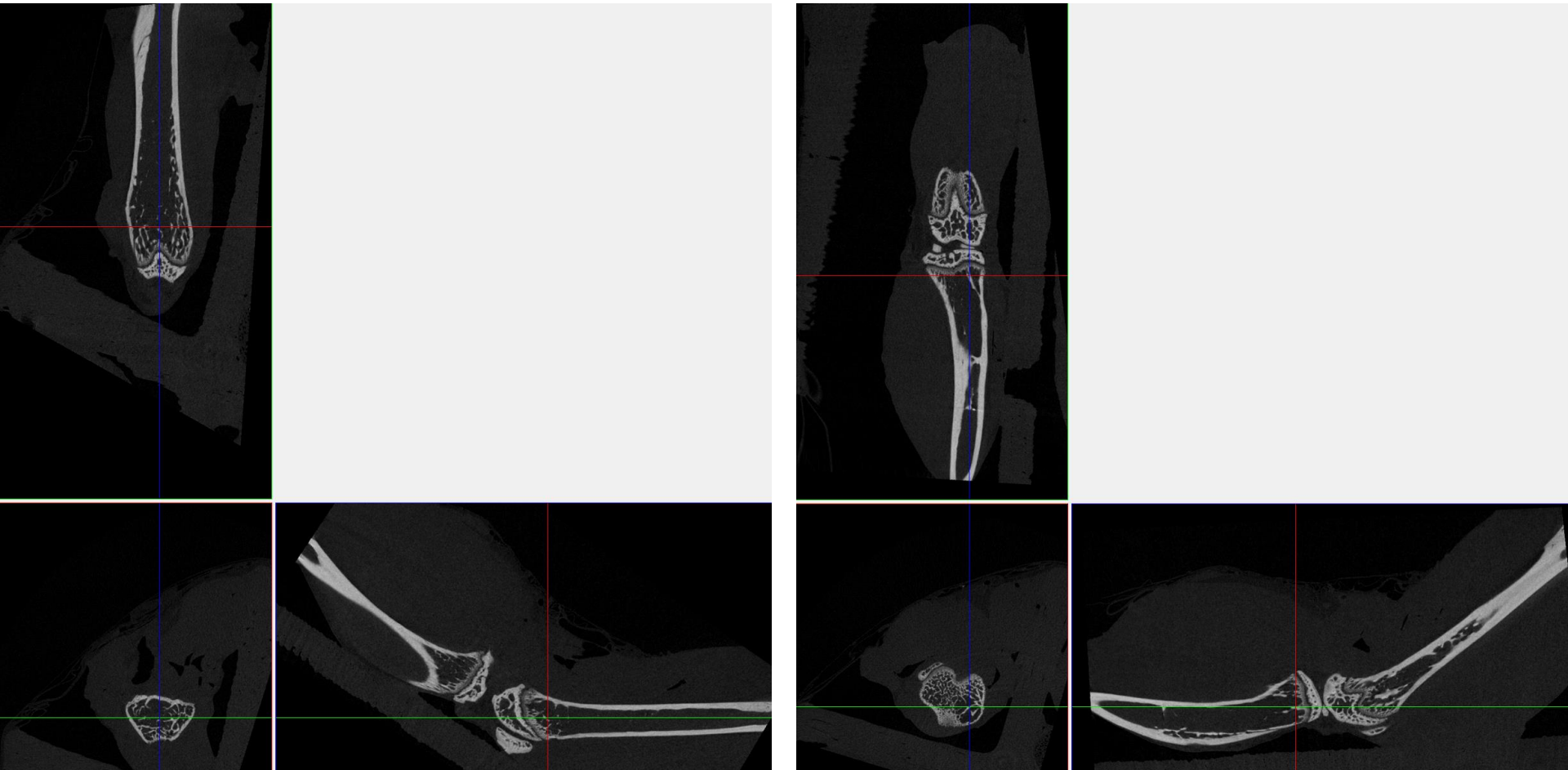
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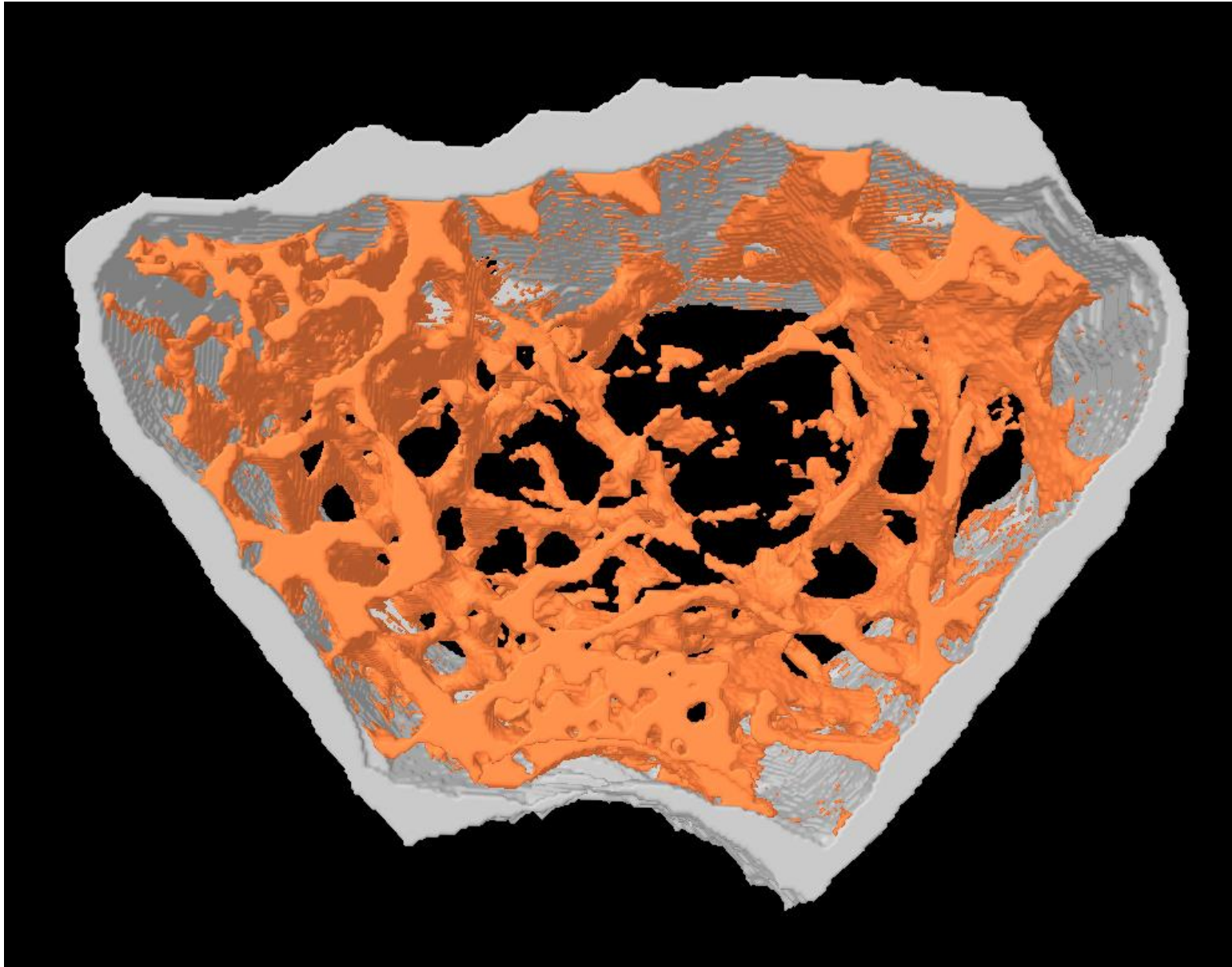
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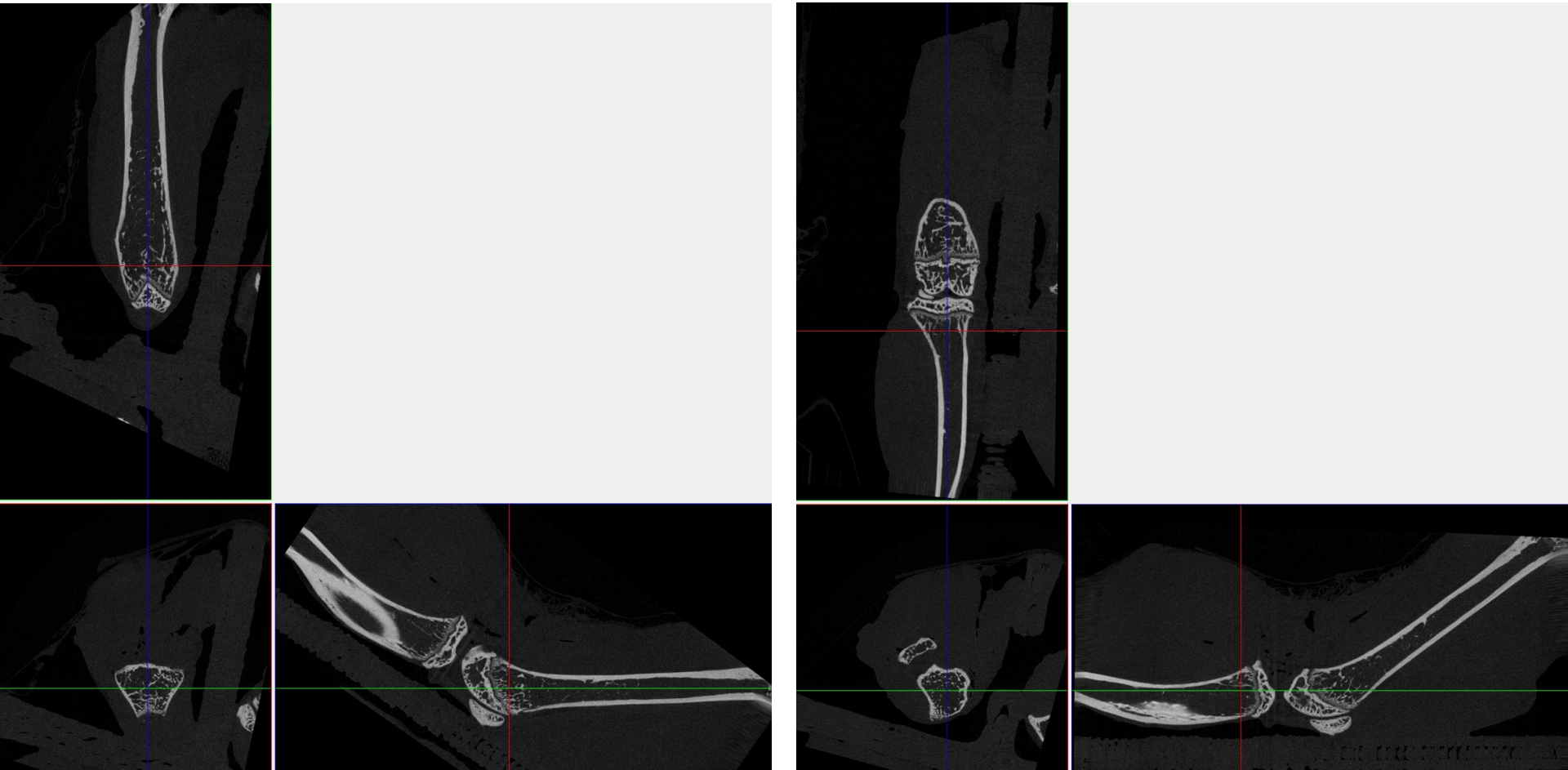
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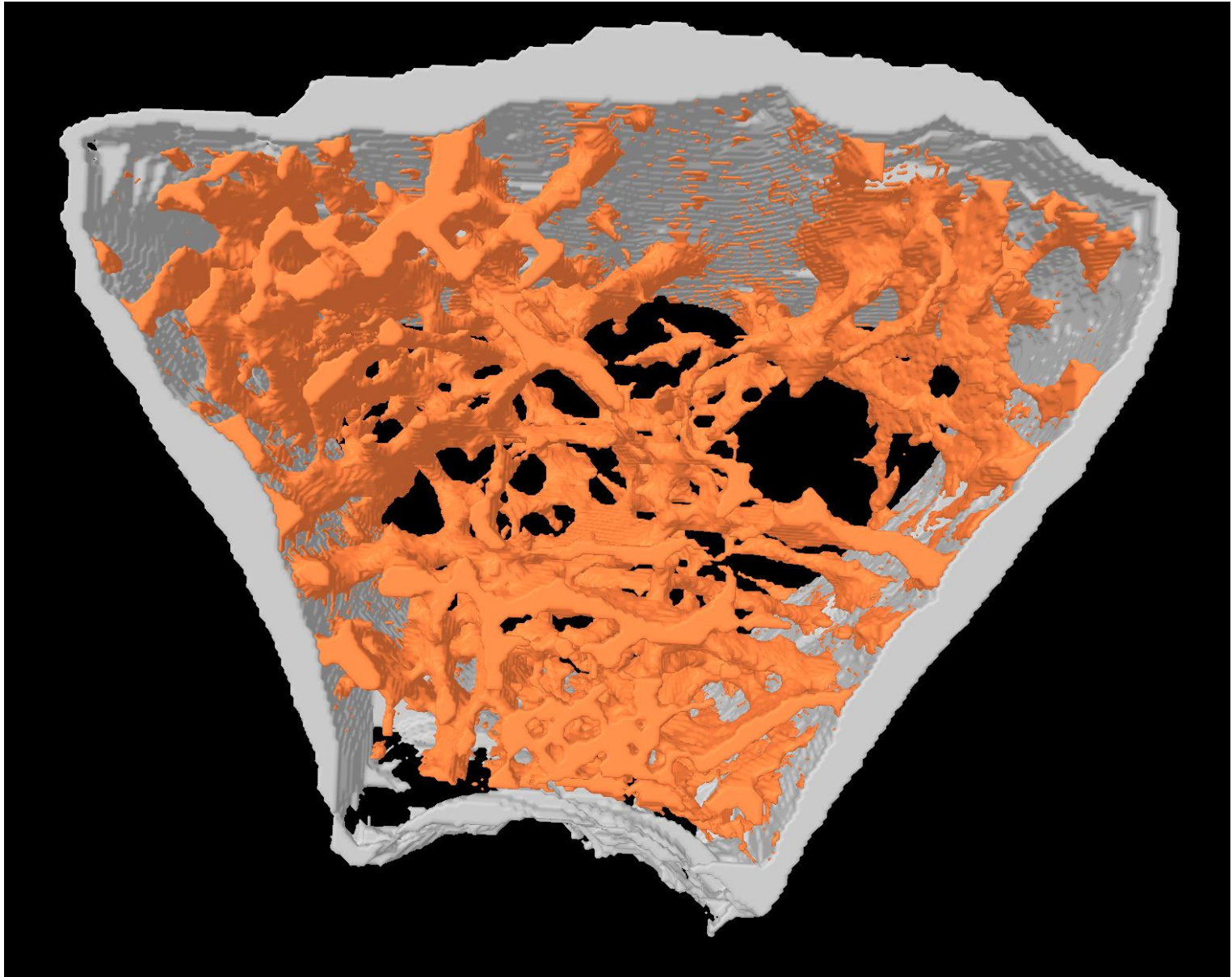
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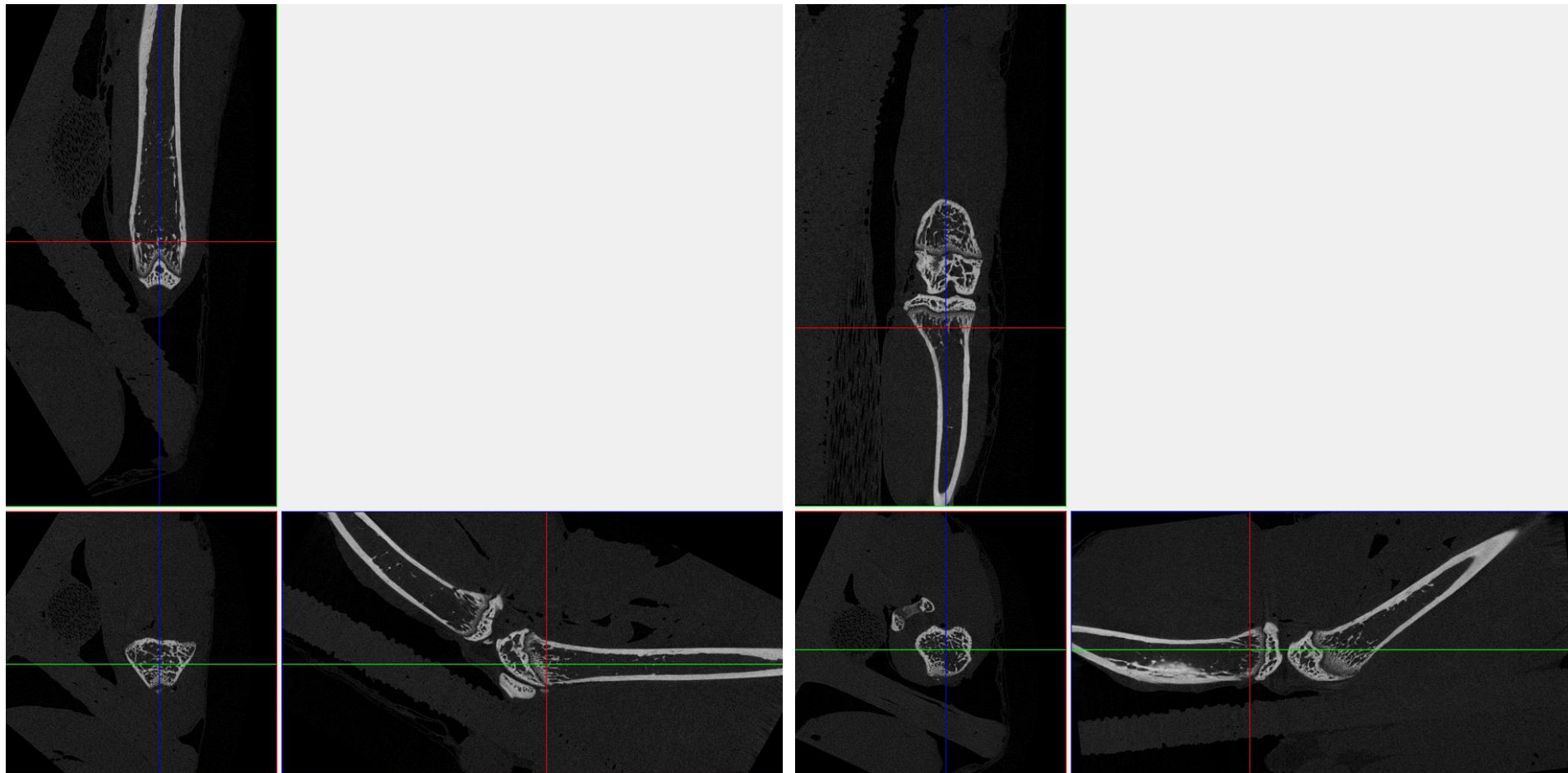
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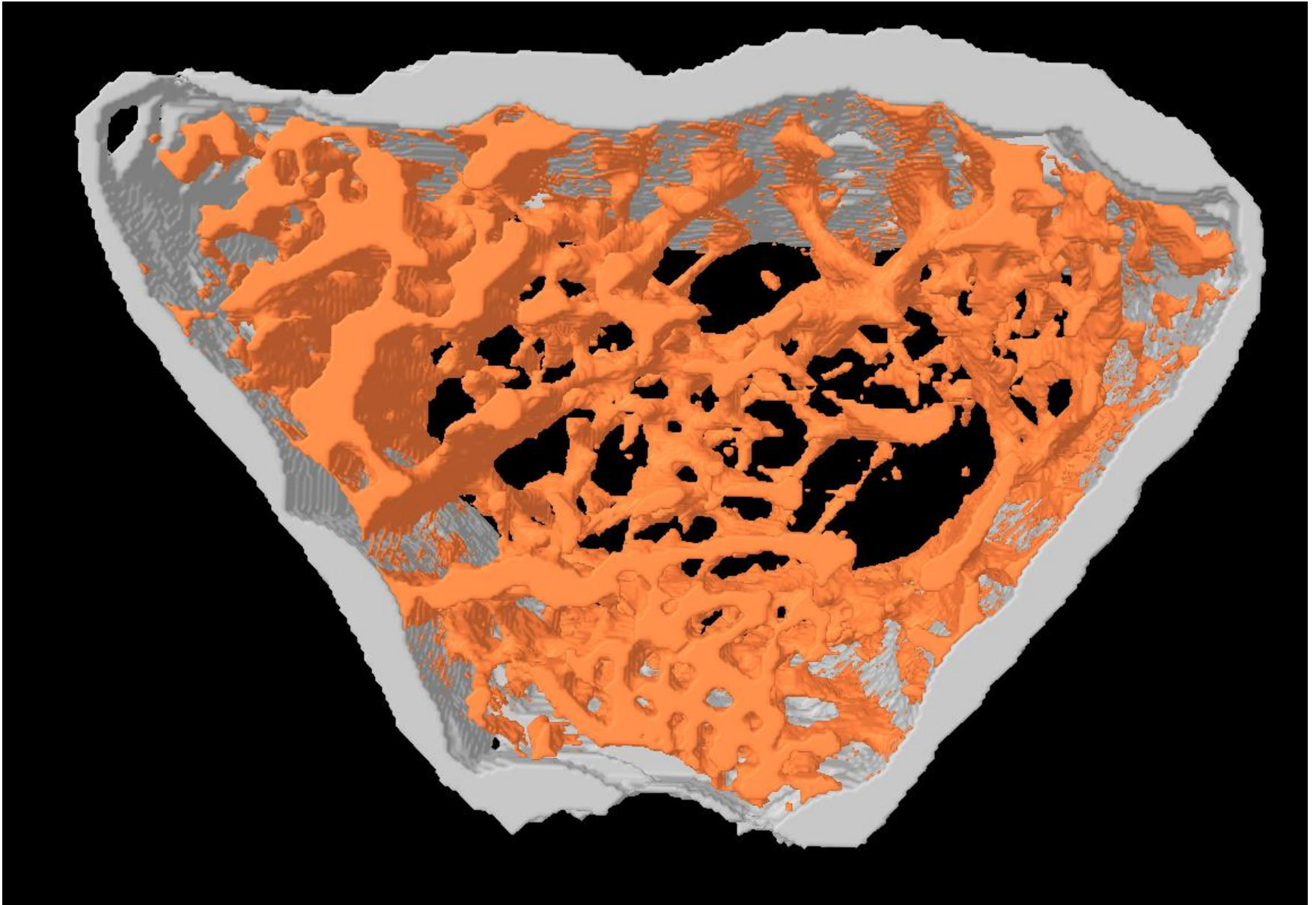
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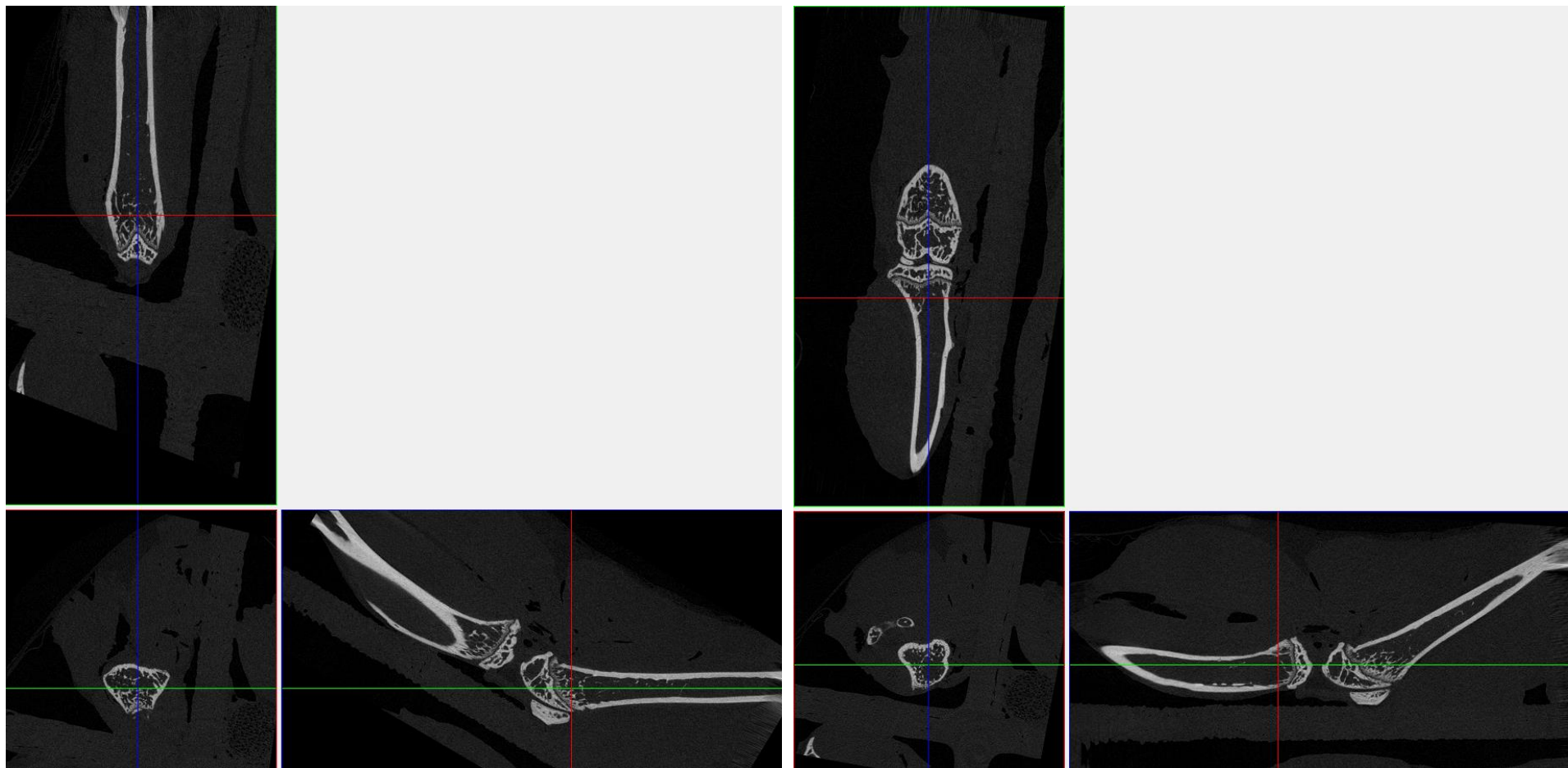
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