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The Effect of 3D Printed Models on Surgical Planning and Outcomes for Partial Nephrectomies

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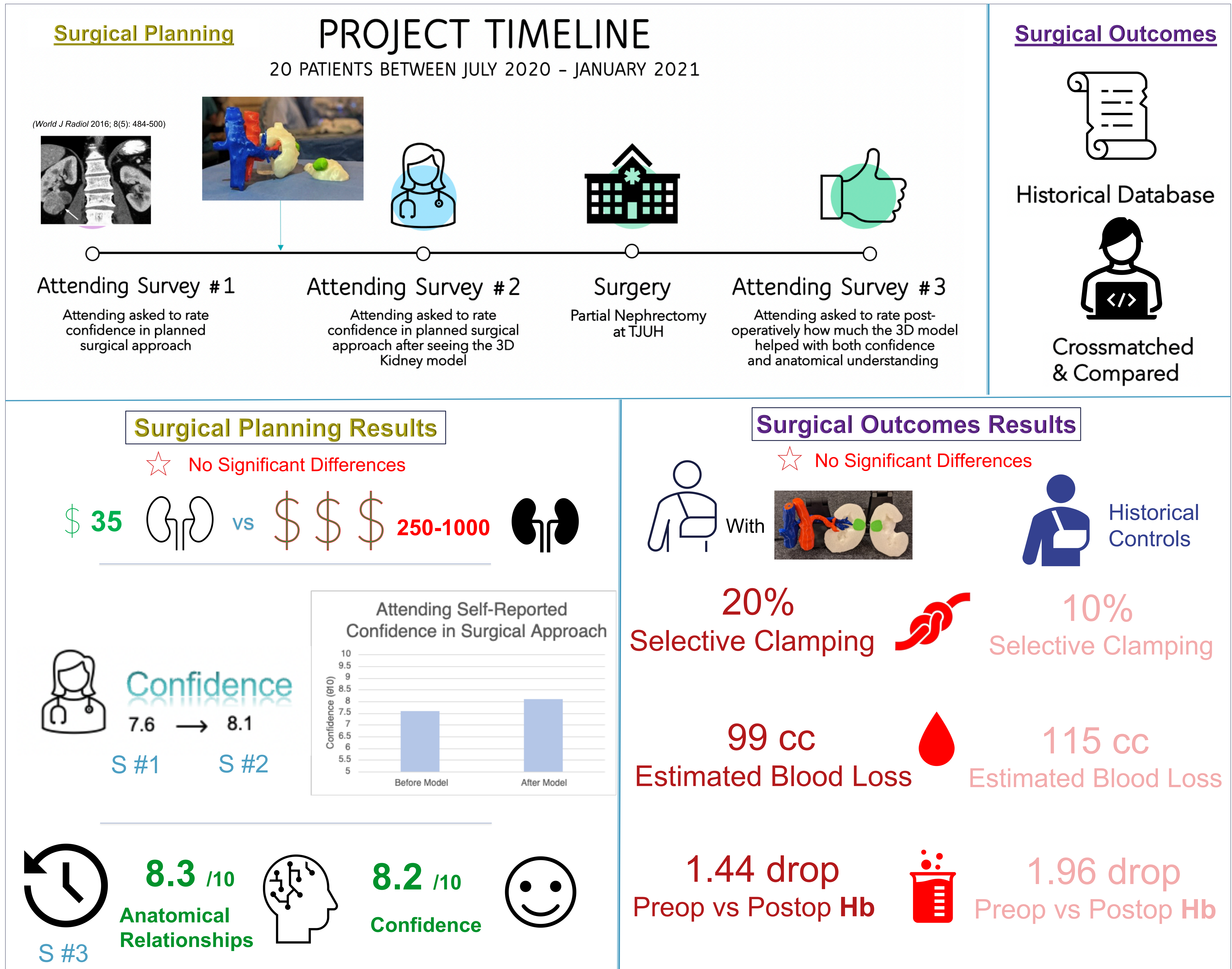
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What is the Effect of Patient-Specific 3D Printed Kidney Models on Surgical Planning and Surgical Outcomes for Partial Nephrectomies?



Surgical Planning Results

☆ No Significant Differences

\$ 35 vs \$ \$ \$ 250-1000





Confidence

7.6 → 8.1

S #1 S #2

Attending Self-Reported Confidence in Surgical Approach



Timepoint	Confidence (8/10)
Before Model	7.6
After Model	8.1



8.3 /10

Anatomical Relationships

S #3



8.2 /10

Confidence



Surgical Outcomes Results

☆ No Significant Differences



With





Historical Controls

20%

Selective Clamping



10%

Selective Clamping

99 cc

Estimated Blood Loss



115 cc

Estimated Blood Loss

1.44 drop

Preop vs Postop Hb



1.96 drop

Preop vs Postop Hb

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