

Supplement Table 2

CEA 1159 Rt						
Segment	Section #	Ca Area mm <sup>2</sup>	Tissue Area mm <sup>2</sup>	Ca/Tissue %	Lumen M:T	Correlations
I	14	0.110	10.820	1.0%	100.0%	<i>Ca Area vs. Tissue Area</i>
I	24	0.078	16.483	0.5%	85.5%	$r^2=0.8365$ ; $p=0.0015^*$
I	38	4.077	29.189	14.0%	84.2%	
I	57	0.633	15.475	4.1%	72.8%	<i>Ca Area vs. Lumen Area</i>
B	69	2.163	25.427	8.5%	79.3%	$r^2=0.001329$ ; $p=0.9317$
C	99	4.480	38.969	11.5%	79.0%	
C	119	6.674	40.520	16.5%	80.6%	<i>Tissue Area vs. Lumen Area</i>
C	138	0.000	23.287	0.0%	84.1%	$r^2=0.06025$ ; $p=0.5579$
Total	8					

CEA 1179 Lt						
Segment	Section #	Ca Area mm <sup>2</sup>	Tissue Area mm <sup>2</sup>	Ca/Tissue %	Lumen M:T	Correlations
I	9	7.673337	18.731404	41.0%	77.0%	<i>Ca Area vs. Tissue Area</i>
I	24	7.849599	19.619627	40.0%	71.2%	$r^2=0.5915$ ; $p=0.1285$
B	34	9.079983	30.396907	29.9%	70.7%	
C	39	1.762766	34.641256	5.1%	77.7%	<i>Ca Area vs. Lumen Area</i>
C	49	0.008883	33.369245	0.0%	77.6%	$r^2=0.2696$ ; $p=0.3699$
Total	5					
						<i>Tissue Area vs. Lumen Area</i>
						$r^2=0.5915$ ; $p=0.1285$

CEA 1979 Rt						
Segment	Section #	Ca Area mm <sup>2</sup>	Tissue Area mm <sup>2</sup>	Ca/Tissue %	Lumen M:T	Correlations
I	50	12.148395	28.383012	42.8%	86.7%	<i>Ca Area vs. Tissue Area</i>
B	84	8.002821	41.848224	19.1%	72.3%	$r^2=0.5398$ ; $p=0.1573$
B	89	16.949985	55.609736	30.5%	53.0%	
C	124	0.023485	29.356979	0.1%	76.5%	<i>Ca Area vs. Lumen Area</i>
C	C14	0.246145	27.296839	0.9%	84.5%	$r^2=0.4531$ ; $p=0.213$
Total	5					
						<i>Tissue Area vs. Lumen Area</i>
						$r^2=0.3949$ ; $p=0.2562$

CEA 2463 Lt						
Segment	Section #	Ca Area mm <sup>2</sup>	Tissue Area mm <sup>2</sup>	Ca/Tissue %	Lumen M:T	Correlations
I	10	9.873136	17.360066	56.9%	70.3%	<i>Ca Area vs. Tissue Area</i>
I	48	2.90751	23.67096	12.3%	62.9%	$r^2=0.0678$ ; $p=0.6182$
I	64	5.39803	33.381781	16.2%	78.9%	
I	74	11.869358	37.359473	31.8%	72.1%	<i>Ca Area vs. Lumen Area</i>
B	89	7.961803	48.141012	16.5%	56.2%	$r^2=0.2612$ ; $p=0.3002$
C	114	3.08122	26.430501	11.7%	74.3%	
Total	6					
						<i>Tissue Area vs. Lumen Area</i>
						$r^2=0.2471$ ; $p=0.3158$

CEA 2602 Rt						
Segment	Section #	Ca Area mm <sup>2</sup>	Tissue Area mm <sup>2</sup>	Ca/Tissue %	Lumen M:T	Correlations
I	4	0.83370	32.641725	2.6%	73.7%	<i>Ca Area vs. Tissue Area</i>
I	23	9.602911	56.505616	17.0%	35.4%	$r^2=0.6644$ ; $p=0.0481^*$
I	26	10.1939	43.568631	23.4%	37.8%	

CEA 1167 Lt						
Segment	Section #	Ca Area mm <sup>2</sup>	Tissue Area mm <sup>2</sup>	Ca/Tissue %	Lumen M:T	Correlations
I	9	0.769754	8.039338	9.6%	78.5%	<i>Ca Area vs. Tissue Area</i>
I	28	1.59438	13.901601	11.5%	51.5%	$r^2=0.1633$ ; $p=0.3208$
I	59	2.627188	27.936423	9.4%	55.9%	
B	74	2.592818	28.529564	9.1%	82.2%	<i>Ca Area vs. Lumen Area</i>
B	103	2.144296	42.179726	5.1%	68.3%	$r^2=0.0147$ ; $p=0.775$
C	119	4.902496	25.674838	19.1%	40.2%	
C	149	6.117542	28.613099	21.4%	70.8%	<i>Tissue Area vs. Lumen Area</i>
C	194	0	20.692225	0.0%	88.9%	$r^2=0.0626$ ; $p=0.5501$
Total	8					

CEA 1192 Rt						
Segment	Section #	Ca Area mm <sup>2</sup>	Tissue Area mm <sup>2</sup>	Ca/Tissue %	Lumen M:T	Correlations
I	9	0	17.853219	0.0%	46.2%	<i>Ca Area vs. Tissue Area</i>
I	16	0	12.695987	0.0%	18.0%	$r^2=0.5457$ ; $p=0.0363^*$
I	22	3.202597	48.421311	6.6%	78.7%	
I	29	4.808126	53.043743	9.1%	76.8%	<i>Ca Area vs. Lumen Area</i>
B	35	8.913058	73.409461	12.1%	60.4%	$r^2=0.0024$ ; $p=0.908$
B	51	13.228113	53.001116	25.0%	39.5%	
C	70	6.064936	64.465424	9.4%	32.2%	<i>Tissue Area vs. Lumen Area</i>
C	94	4.893835	36.229623	13.5%	65.4%	$r^2=0.0413$ ; $p=0.6292$
Total	8					

CEA 2440 Rt						
Segment	Section #	Ca Area mm <sup>2</sup>	Tissue Area mm <sup>2</sup>	Ca/Tissue %	Lumen T:M	Correlations
I	4	0.515	3.416	15.1%		<i>Ca Area vs. Tissue Area</i>
I	19	0.032	16.618	0.2%	82.0%	$r^2=0.2899$ ; $p=0.2124$
I	34	2.673	21.372	12.5%	63.6%	
I	44	4.366	23.929	18.2%	91.4%	<i>Ca Area vs. Lumen Area</i>
B	49	4.406	28.593	15.4%	95.2%	$r^2=0.0141$ ; $p=0.8229$
B	54	6.229	58.621	10.6%	38.8%	
C	79	0.837	49.665	1.7%	61.4%	<i>Tissue Area vs. Lumen Area</i>
Total	7					$r^2=0.6887$ ; $p=0.0409^*$

CEA 2486 Rt						
Segment	Section #	Ca Area mm <sup>2</sup>	Tissue Area mm <sup>2</sup>	Ca/Tissue %	Lumen M:T	Correlations
I	4	0	9.127956	0.0%	73.6%	<i>Ca Area vs. Tissue Area</i>
I	9	0.523944	12.724456	4.1%	81.6%	$r^2=0.0449$ ; $p=0.6483$
I	14	0	13.705298	0.0%	69.9%	
I	24	0	43.32572	0.0%	39.4%	<i>Ca Area vs. Lumen Area</i>
I	45	3.76996	40.005747	9.4%	59.9%	$r^2=0.0896$ ; $p=0.5142$
B	52	1.760736	43.834257	4.0%	66.6%	
C	75	0	64.531804	0.0%	40.8%	<i>Tissue Area vs. Lumen Area</i>
Total	7					$r^2=0.9231$ ; $p=0.0006^*$

CEA 2632 Rt						
Segment	Section #	Ca Area mm <sup>2</sup>	Tissue Area mm <sup>2</sup>	Ca/Tissue %	Lumen M:T	Correlations
I	9	2.561347	26.636225	9.6%	83.0%	<i>Ca Area vs. Tissue Area</i>
I	24	0.00180	25.985929	0.01%	95.0%	$r^2=0.0638$ ; $p=0.6819$
I	39	8.070052	27.124031	29.8%	85.2%	

B	50	3.506845	35.403064	9.9%	86.7%	<b>Ca Area vs. Lumen Area</b>
B	61	0.01610	37.25224	0.0%	53.3%	$r^2=0.4022$ ; $p=0.1763$
C	71	0.355432	35.298049	1.0%	70.8%	
Total	6					<b>Tissue Area vs. Lumen Area</b> $r^2=0.1908$ ; $p=0.3865$

B	49	9.501795	28.602158	33.2%	89.8%	<b>Ca Area vs. Lumen Area</b>
C	85	0	34.19543	0.0%	90.6%	$r^2=0.8382$ ; $p=0.0291^*$
Total	5					<b>Tissue Area vs. Lumen Area</b> $r^2=0.0010$ ; $p=0.9604$

**CEA 2723 Lt**

Segment	Section #	Ca Area mm2	Tissue Area mm2	Ca/Tissue %	Lumen M:T	Correlations
I	15	0.7414	24.7378	3.0%	43.8%	<b>Ca Area vs. Tissue Area</b>
I	28	6.414763	35.158215	18.2%	83.4%	$r^2=0.8792$ ; $p<0.0001^*$
I	33	1.814828	31.181654	5.8%	78.8%	
I	43	4.419395	28.055258	15.8%	69.3%	<b>Ca Area vs. Lumen Area</b>
B	54	5.166312	36.30245	14.2%	65.6%	$r^2=0.0901$ ; $p=0.3993$
B	59	13.587391	41.847262	32.5%	58.7%	
B	73	11.287405	44.536895	25.3%	39.7%	<b>Tissue Area vs. Lumen Area</b>
B	99	17.54374	59.227814	29.6%	68.3%	$r^2=0.0871$ ; $p=0.4079$
C	105	3.935989	34.350717	11.5%	66.0%	
C	117	0	28.113276	0.0%	82.3%	
Total	10					

**CEA 2776 Lt**

Segment	Section #	Ca Area mm2	Tissue Area mm2	Ca/Tissue %	Lumen M:T	Correlations
I	17	7.6291	26.124583	29.2%	73.6%	<b>Ca Area vs. Tissue Area</b>
B	49	11.79985	57.248146	20.6%	43.8%	$r^2=0.0024$ ; $p=0.9377$
B	58	12.123089	46.630297	26.0%	38.4%	
C	89	15.225491	65.604671	23.2%	42.0%	<b>Ca Area vs. Lumen Area</b>
C	100	0.045919	63.174485	0.1%	54.2%	$r^2=0.0907$ ; $p=0.6224$
Total	5					<b>Tissue Area vs. Lumen Area</b> $r^2=0.0079$ ; $p=0.8870$

**CEA 2914 Rt**

Segment	Section #	Ca Area mm2	Tissue Area mm2	Ca/Tissue %	Lumen M:T	Correlations
I	20	0.336126	22.023562	1.5%	81.5%	<b>Ca Area vs. Tissue Area</b>
I	27	0.078125	26.181119	0.3%	84.7%	$r^2=0.0691$ ; $p=0.5294$
I	30	0	26.822339	0.0%	86.6%	
I	49	1.229819	49.923484	2.5%	74.5%	<b>Ca Area vs. Lumen Area</b>
I	94	0.921171	64.869108	1.4%	70.4%	$r^2=0.1503$ ; $p=0.3427$
B	104	1.748761	66.552292	2.6%	79.6%	
B	125	0.133464	85.407295	0.2%	57.5%	<b>Tissue Area vs. Lumen Area</b>
C	135	0.110482	74.614193	0.1%	77.0%	$r^2=0.0130$ ; $p=0.7878$
Total	8					

**CEA 2927 Rt**

Segment	Section #	Ca Area mm2	Tissue Area mm2	Ca/Tissue %	Lumen M:T	Correlations
I	11	0	8.860182	0.0%	90.6%	<b>Ca Area vs. Tissue Area</b>
I	18	0.729563	17.260065	4.2%	74.0%	$r^2=0.6348$ ; $p=0.2033$
I	34	1.614315	53.159457	3.0%	50.5%	
B	50	1.49641	59.995077	2.5%	51.2%	<b>Ca Area vs. Lumen Area</b>
C	76	0.006128	28.599132	0.0%	76.2%	$r^2=0.6863$ ; $p=0.1716$
Total	5					<b>Tissue Area vs. Lumen Area</b> $r^2=0.9457$ ; $p=0.0275^*$

**CEA 2929 Lt**

Segment	Section #	Ca Area mm2	Tissue Area mm2	Ca/Tissue %	Lumen M:T	Correlations
I	4	0	12.455136	0.0%	80.6%	<b>Ca Area vs. Tissue Area</b>
I	10	0.102171	11.915918	0.9%	88.2%	$r^2=0.6152$ ; $p=0.0368^*$
I	19	0	14.900649	0.0%	90.5%	
I	44	0	30.734211	0.0%	85.4%	<b>Ca Area vs. Lumen Area</b>
B	65	7.436084	41.109199	18.1%	70.7%	$r^2=0.1169$ ; $p=0.4529$
B	83	1.74526	29.417805	5.9%	74.4%	
C	94	0	20.971091	0.0%	90.9%	<b>Tissue Area vs. Lumen Area</b>
Total	7					$r^2=0.0403$ ; $p=0.6661$

**CEA 2940 Rt**

Segment	Section #	Ca Area mm2	Tissue Area mm2	Ca/Tissue %	Lumen M:T	Correlations
I	9	0	5.603875	0.0%	83.1%	<b>Ca Area vs. Tissue Area</b>
I	17	1.35346	10.307754	13.1%	78.4%	$r^2=0.5313$ ; $p=0.0259$
I	28	5.315117	26.923687	19.7%	37.2%	
B	36	4.494764	68.457396	6.6%	82.4%	<b>Ca Area vs. Lumen Area</b>
B	44	4.78067	73.170858	6.5%	65.5%	$r^2=0.1283$ ; $p=0.344$
B	54	3.075545	71.746737	4.3%	72.9%	
B	59	5.40294	67.079277	8.1%	63.5%	<b>Tissue Area vs. Lumen Area</b>
C	72	0.672158	28.161769	2.4%	86.0%	$r^2=0.0197$ ; $p=0.7190$
C	80	0	20.887538	0.0%	88.4%	
Total	9					

**CEA 2952 Rt**

Segment	Section #	Ca Area mm2	Tissue Area mm2	Ca/Tissue %	Lumen M:T	Correlations
I	4	2.56549	18.126957	14.2%	91.0%	<b>Ca Area vs. Tissue Area</b>
I	16	4.034685	41.261072	9.8%	44.3%	$r^2=0.0403$ ; $p=0.703$
I	39	3.03738	38.152249	8.0%	70.7%	
B	79	4.538616	35.501437	12.8%	58.7%	<b>Ca Area vs. Lumen Area</b>
C	104	2.59078	35.969965	7.2%	86.9%	$r^2=0.1888$ ; $p=0.3892$
C	112	0	35.062721	0.0%	87.1%	

**CEA 2959 Rt**

Segment	Section #	Ca Area mm2	Tissue Area mm2	Ca/Tissue %	Lumen M:T	Correlations
I	4	3.218722	33.313247	9.7%	81.9%	<b>Ca Area vs. Tissue Area</b>
I	12	3.766238	43.268499	8.7%	80.7%	$r^2=0.2993$ ; $p=0.2038$
B	45	13.935763	52.565238	26.5%	59.4%	
B	51	6.299786	53.861088	11.7%	55.9%	<b>Ca Area vs. Lumen Area</b>
C	66	0.623833	47.450447	1.3%	84.3%	$r^2=0.3312$ ; $p=0.1764$
C	82	2.069257	44.93338	4.6%	84.7%	

Total	6
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<b>Tissue Area vs. Lumen Area</b>
$r^2=0.0469$ ; $p=0.6804$

**CEA 2997 Rt**

Segment	Section #	Ca Area mm2	Tissue Area mm2	Ca/Tissue %	Lumen M:T	Correlations
I	20	0.452361	26.353805	1.7%	82.7%	<b>Ca Area vs. Tissue Area</b>
I	36	3.16505	23.818003	13.3%	79.4%	$r^2=0.4728$ ; $p=0.1995$
B	59	5.051045	34.523024	14.6%	57.2%	
C	72	4.970097	36.747726	13.5%	72.7%	<b>Ca Area vs. Lumen Area</b>
C	86	4.01936	38.977272	10.3%	72.3%	$r^2=0.3718$ ; $p=0.2749$
Total	5					

<b>Tissue Area vs. Lumen Area</b>
$r^2=0.5784$ ; $p=0.1355$

C	94	0	39.471223	0.0%	86.8%	<b>Tissue Area vs. Lumen Area</b>
C	116	0.288489	22.223858	1.3%	69.4%	$r^2=0.0048$ ; $p=0.8825$
Total	8					

**CEA 2999 Lt**

Segment	Section #	Ca Area mm2	Tissue Area mm2	Ca/Tissue %	Lumen M:T	Correlations
I	10	0	13.545209	0.0%	77.4%	<b>Ca Area vs. Tissue Area</b>
I	23	0.622174	19.871563	3.1%	76.5%	$r^2=0.7025$ ; $p=0.0185^*$
I	37	0.955138	27.5702	3.5%	33.5%	
B	43	2.445957	35.40885	6.9%	57.0%	<b>Ca Area vs. Lumen Area</b>
B	59	3.185139	47.400126	6.7%	59.4%	$r^2=0.0344$ ; $p=0.6906$
C	66	4.605129	49.266349	9.3%	68.2%	
C	73	0	35.115142	0.0%	82.0%	<b>Tissue Area vs. Lumen Area</b>
Total	7					$r^2=0.0335$ ; $p=0.6944$