

SUPPLEMENTAL TABLE 1

Radiochemical Purity of Re-188-P2045 on Study Days 0-28

Study Day	% ReO₄	% ¹⁸⁸ReO₄ Non-mobile	% ¹⁸⁸Re- Glucosaminic acid	% ¹⁸⁸Re- P2045
0	2.6	0.6	0.8	95.8 (92.5)
3	1.0	0.1	1.5	97.4 (90.3)
6	7.5	0.9	0.8	90.8 (95.9)
9	3.7	0.7	1.1	98.2 (95.0)
13	10.2	2.8	8.3	88.9 (89.0)
16	5.2	3.1	1.2	95.7 (90.4)
21	7.5	0	0.7	91.8 (92.0)
28	2.8	1.9	1.8	96.3 (94.3)

The % radiochemical purity of Re-188-P2045 and the % of contaminants in each dose are shown. Thin layer and high-pressure liquid chromatographic analysis of Re-188 The RCP was determined by integrating the HPLC chromatogram peaks. The results of HPLC analysis are shown parenthetically. The components of the Re-188 preparations for each dosing day determined by ITLC are shown in each column. The % radiochemical purity of Re-188-P2045 was determined by ITLC and also by HPLC shown in parenthesis. Images of the chromatograms were converted into 8-bit TIFF format with retention of pixel sizing information and count calibration factors (counts/pixel/second); allowing chromatogram peak quantitation

SUPPLEMENTAL TABLE 2
Tumor Volumes (mm³) in AR42J Xenografts

Treatment-groups		Day after initial injection					
		0	3	6	9	13	16
Gp 1 Vehicle	Mean	24	59	119	155	318	528
	SD	30	47	111	151	248	301
	Fold Δ	(1)	(2.5)	(5.0)	(6.5)	(13.3)	(22.0)
Gp 2 P2045	Mean	22	55	69	83	216	529
	SD	23	45	42	83	226	301
	Fold Δ	(1)	(2.5)	(3.1)	(3.8)	(9.8)	(24.0)
Gp3 Re-188 P2045, 1.85 mBq	Mean	20	34	57	57	91	97
	SD	28	38	39	51	59	68
	Fold Δ	(1)	(1.7)	(2.9)	(2.9)	(4.6)	(4.9)
Gp4 Re-188- P2045, 5.55 mBq	Mean	17	32	37	39	44	41
	SD	15	20	19	19	31	28
	Fold Δ	(1)	(1.9)	(2.2)	(2.3)	(2.6)	(1.9)
Gp5 Re-188- P2045, 11.1 mBq	Mean	21	20	21	18	13	12
	SD	30	15	17	16	9	10
	Fold Δ	(1)	(0.95)	(1.0)	(0.86)	(0.61)	(0.57)
Gp 6 Y-90- DOTATOC 22.2 mBq	Mean	34	42	38	49	84	91
	SD	33	42	27	26	35	44
	Fold Δ	(1)	(1.2)	(1.1)	(1.4)	(2.5)	(2.7)

The mean tumor volumes (mm³) their and standard deviation for each study-group are shown. The fold-change (fold Δ) in tumor volume compared to study day 0 are shown in parenthesis.

SUPPLEMENTAL TABLE 3

**Hematology and Clinical Chemistry of Blood and Serum Samples Collected
from AR42J Rat Pancreatic Tumor-xenograft Nude Mice (Groups 1-5)**

Parameter		Controls		Re-188-P2045		
		Eluate	P2045	50 μCi	150 μCi	300 μCi
WBC/mm ³	Mean	10437	8043	8855	9288	8042
	SD	10298	6972	2823	3020	4925
RBC x10 ³ /mm ³	Mean	6.83	6.48	7.48	7.65	7.68
	SD	1.0	1.4	0.52	0.63	0.62
Hgb, g/dL	Mean	12.5	12.1	13.1	13.8	13.4
	SD	0.95	1.5	1.1	0.58	1.4
% PCV	Mean	36.1	35.0	39.2	39.8	39.5
	SD	2.5	3.6	3.0	2.8	4.0
% MCV	Mean	49.9	65*	47.9	49.7	52.6
	SD	1.5	24	1.2	2.2	4.9
% Neutrophils	Mean	21	30	59.3**	46.3**	62**
	SD	15.5	5.7	14.3	17.2	10.7
Platelets x10 ³ /mm ³	Mean	978	1135.2	1157.8	1063	825
	SD	178	182	530	270	134
BUN Mg/dL	Mean	29.7	27.0	29.9	29.8	30.3
	SD	3.6	3.4	5.3	6.9	6.3
Creatinine Mg/dL		< 0.3	< 0.3	< 0.3	< 0.3	< 0.3

WBC = white blood cell

RBC = red blood cell

Hgb = hemoglobin

dL = deciliter or 100 cubic centimeters

PVC = packed cell volume

MCV = mean corpuscular volume

BUN = blood urea nitrogen

Significantly different from generator eluate control, *p < 0.05, **p < 0.01