

Results of Neo-Adjuvant Chemotherapy in Literature Cases of PPB
(Tabulation by the PPB Registry [www.ppbregistry.org]; 12/1/04; unpublished compilation)

Bibliography Reference	Case, Age and Sex	PPB Type	1st Surgery	Neo-Adjuvant Chemotherapy	Duration	Response to N-Adj Rx	2nd Surgery	Adjuvant Chemotherapy	Radiation R	Recurrence	Outcome
Indolfi et al Cancer 2000; 89:1396-401	Case 9, p1398 61 mo, M	III	bx only	(C + E) + IVA: Etoposide Adriano	+ "9-10 wks"	33- 67 % shrinkage	Total resection, path = total necrosis	none	none	no	NED at 39 mo
Indolfi et al	Case 10, p1398 29 mo, F	II	bx only	(E + E) + IVA Epirubicin + Etoposide Ilos, Vcr, Actino	"9 - 10 wks"	33- 67% shrinkage	gross total resection	none	only after recurrence: 20Gy	local	DOO at 6 mo
Ozkaynak et al Med Pediatr Oncol 1990; 18:53 -56	Case 2 36 mo, M	very likely III	bx only, respator req'd	VAC alternating Q 3-4 wk with Plat Adria: Vcr (1.5mg/2d) D 1,7 + AJMG (20d) D1-5 + CPM (300d) D1-3 Plat (20d) D1-5 + Adria (25d) D1-3	3 complete cycles-approx 24 wks	#1: "necrosis; #2: decrease; #3: "more improvement" (with definite clinical improvement)	"en bloc"	3 more cycles: VAC + Plat/Adri	none	none	NED at guess 18 mo
Parsons et al Ann Thorac Surg 2001; 72: 930-42	Case 1 42 mo, M	prob II	bx only	VAC all with Plat/Adria "as in Ozkaynak"	2 complete cycles - "3.5 months"	"considerable radiographic decrease"	"complete resection"	3 more complete cycles (total adria = 300m2)	none	none	NED at 120 mo
Parsons et al	Case 2 120 mo, F	very likely III	needle + open bx, only	VAC all with Plat/Adria "as in Ozkaynak"	3 complete cycles	post 2 cycles: 75% decr volume on MRI; post 3 cycles: "little further improv"	pneumonaect + diaphragm & pleura removed	completed planned rx of 1 year of chemo (total adria = 300m2)	3600 cGy R diaphragm (?+ve resect margin)	none	NED at ~36 mo
Baraniya et al Med Pediatr Oncol 1999; 32:52 - 56	36 mo, M	very likely III	"debulking" (observable residual)	IE + VAdriaC Ilos (2gm/m2/d)x5d & Etop (100mg/m2/d)x5 + C (600mg/m2), Adria (50mg/m2) vinc (1.5m2)	4 complete cycles	"partial regression" of residual	further "debulked"	same regimen "continued"	yes, no dose given	yes	DOO at 20 mo post dx
Kotloglu et al Turk J Pediatr 2002; 44: 156-159	36 mo, M	I, recurred as III at time of neo-adj rx	no surg prior to neo-adj chemo	Vcr Actino, Cyclopho (no doses given)	5 courses	11.8 x 12 x 7 cm became 6 x 5.3 x 4 (-65% decrease)	none	none	yes, no dose given	yes	DOO at 20 mo post dx
Hill et al Cancer 1999; 85: 2368 - 74	36 YEARS, M	II, extensive recurrence in 6 weeks	no surg prior to neo-adj req'd respator	#1: Adria, Ilos #2, 3, 4: Cpm, Adria, Vcr, Eto (doses in paper)	4 cycles (guess at 3-4 mo)	#1: rapid response, off resp. #2,3,4: "marked decrease", "plateau" after #4	none because bone met occurred	Cisplati + topotecan and chest mass recurred	none to chest	yes (chest + bone)	DOO at 10 mo
Lopez-Andreu et al Cancer 1993; 72: 2792 - 3 and Oncologia 1994; 17:49-58	46 mo, F	Prob III, synchronous bilateral !!	needle bx only	"IVA": Ilos(3gm/m2/d) on D1,2,3; Vcr(1.5mg/m2), actinoD (1500 "gamma"m2)on D1	6 cycles	After 2 cycles: RUL "mass"/"nodule"; gone; Lingula "mass"; "important reduction"; After 6 cycles, stable	L mass resected ("fibrotic & no malignancy")	none	none	none	NED at 9 mo post dx
Ishida et al Med Pediatr Oncol 2000; 35: 65 - 67	22 mo, M	very likely II	bx only	Ilos, carboplat, etoposide (doses/regimen given)	7 mo to resection	"less than half original size"	"resected" ("necrotic/foamy histiocytosis")	none	none	none	NED at 8 mo post diag
Calabria et al Am Surgeon 1993; 59:192 - 6	27 mo, F	probable III	bx only	"VAC alternating with Adria + CDDP" (no doses given)	8 mo total, but time unknown at eval of response	"40% initial decrease, then recurrence"	??, probably none	none	none	yes	DOO at 13 mo post dx
Micallef-Eyraud et al Med Pediatr Oncol 1993; 21:132 - 6	Case 1 42 mo, M	very likely III	"debulking" (observable residual)	SIOP St IV RMS '89: Carboplat/Epirub/Vcr + Ilos/Actino/Vcr + Ilos/VP16/Vcr in 9-wk cycle (doses in paper)	36 wks (4 cycles)	NED on chest CT	none	none	none	CNS(at 36 wks, as chemo completed)	DOO approx 9 mo
Vargas et al Pediatr Dev Pathol 2001; 4: 434-45	Case 1 42 mo, M	prob II	bx only, "inoperable"	VAC alternating with Adria/Cisplati Q 3 wks (no doses given)	"1 yr"	after 3 mo: "shrunk markedly, operable"	"complete resection"	not mentioned; presume completed planned 1 yr	none	no	NED at 96 mo
de Castro et al J Ped Heme Onc 2003; 25:78-81	5 yr, F	prob III	bx only	VAC X 3, then ICE X 4; Doses: VAC (V = 1.5 mg/m2; A = 1.5mg/m2; C = 2.2gm/m2); ICE (I = 3000mg/m2 D1-3; C = 400mg/m2 D1&2; E = 166 mg/m2 D1-3)	approx 7 mo	VAC X 3 -- 25% decr; ICE X 4 -- 75% decr	Residual tumor left at mediast vasc structures	Adri ICE X 2, then HDCT + ASCR (HDCT = malphalan, etoposide, carboplat)	none	yes, at primary pulm site	DOO 20 mo post dx (9 mo p ASCR)
Regragui et al Rev Pneumol Clin 2003; 59: 6-365-70.	4 yr, F	prob III	by only	Plat + Etop Q 3 wk x 4 with "flush" vrt Plat = 50 mg D1, etop = 200 over D1-4 Flush XRT = 2 gy/lwk x 2	12 wks	very good by xrays not quantified	resid mass resected prob with micro resect	more plat + etop at incr doses X 3	only "flush" with neo-adj	yes incision liver (direct extension) bone (leg)	presumed DOO - 10 mo p dx
Tekilli et al, Case Rep Clin Pract Rev 2004; 5: 133-136	12 yr F	II or III	bx only	Plat/Adria Q 2 wks X 3 courses plat: 50 mg/ M2 / day; days unstated adria: 60 mg/ M2 / day; days unstated	6-8 wks	very good CT response; CTs in paper	resid mass gt resected	none mentioned	none	no	NED @ 14 mo
see Carroli 1990 GOOD Xrays (Carroli G, Bertana S, Giuntoli M, Battisti C. La malformazione cistica del polmone: esperienza in 4 casi operati. Ped Med Chir 1990; 12:681-6.)											
add Reg #126 case 96% reduction in volume. Registry chemo											
add #80: Hemithorax involvement (size not measured) decreased to ~ 5 x 6 x 6 pre-op; response to neo-adj VAC-AdriaPlat-Ilos/VP											
also: #160: very good neo-adjuvant response to Registry chemo, but child subsequently died of recurrent chest disease											
#134 (Huh-Korea case) says neo-adj chemo resulted in "disappearance of intracardiac mass", p.400.											
#124 (Dropped from Registry) this case is high grade sarcoma; biopsy specimen too small to label as PPB; post-neo-adj resection specimen too necrotic/changed to give specific dx label. 7dx12 cm lesion becomes 1.2x2.5x5 = 98% decrease (Chemo = VAC x 2, IVA x 3, CEV x 2, IVE x 2)											