

TABLE 7.—REVIEW OF LITERATURE: LEUKEMIA FOLLOWING PHENYLBUTAZONE THERAPY

Author and year	Sex	Age, years	Leukemia		Phenylbutazone ingestion		
			Type ¹	Latent period ²	Indication	Duration	Estimated dose, grams
Bean 1960.	M	69	CML	16 months.	Degenerative spondylitis (30 years).	3 weeks.	10
	M	67	ALL	4 years.	Spondylitis (many years).	Intermittently—4 years.	>100
	M	70	7LL (subacute)	2 months.	Sciatica (45 years).	5 months.	24
Cast, 1961. Garrett, 1961. Cadmian and Limont, 1962. Chalmers and McCarthy, 1964.	M	80	CML	1 year.	Osteoarthritis and spondylitis (many years).	7	?
	M	66	LL or LSA	4 years.	Arthritis of hips (3 years).	4 years.	150
	M	63	CML	18 months.	Osteoarthritis of knee (many years).	1 month.	5
	F	59	CML	19 months.	Rheumatoid arthritis (10 years).	17 months.	210
	F	64	7ALL	2 to 3 months.	Arthritis of knees.	1 to 2 months.	12-18
	M	71	ASCL	11 weeks.	Lumbago.	6 days.	4
	F	52	Mono-ML (subacute)	3½ years.	Rheumatoid arthritis (8 years).	Intermittently—3½ years.	240
Thorpe, 1964. Hart, 1964. Woodliff and Dougan, 1964.	F	56	ASCL	1 month.	Arthritis of ankle (acute).	17 days.	5.1
	M	58	AML	17 months.	Back injury (35 years).	2 weeks.	5.6
	M	78	AML	4 years.	Arthritis (30 years).	Intermittently—4 years.	40.3
	M	52	ALL	6½ years.	Arthritis (6 years).	Intermittently—6 years.	10
	M	80	AML	4 years.	Arthritis (5 years).	4 years.	>276
	F	80	AML	2½ years.	Arthritis (5 years).	17 months.	33
	F	58	AML	5 years.	Arthritis (5 years).	Intermittently—5 years.	8
Sen and Siddique, 1964. Chatterjee, 1964.	M	29	AML	4 months.	Arthritis of knee.	4 months.	9
	M	46	AML	"Significant period".	?	Intermittently—"significant period".	7
	Dougan and Woodliff, 1965.	F	58	ALL	11 days.	Arthritis.	8 days.
M		60	CLL	3 years.	Arthritis (3 years).	Intermittently—3 years.	?
M		59	ALL	8 years.	Rheumatoid arthritis.	Intermittently—8 years.	50-100
M		40	AL	4 weeks.	Phlebitis.	1 week.	2-6
Stewart, 1964. Perers and Sjoberg, 1965.	M	40	AML	2 months.	Phlebitis.	5 days.	3.10
	M	47	ALL	13 months.	Cervical spondylosis.	2 weeks.	3.1.9
	Golding et al, 1965. Jensen and Roll.	F	57	A Mono L	5 years.	Rheumatoid arthritis (10 years).	5 years.
M		78	CML	15 months.	Arthritis (4 years).	4 months.	72
M		67	AML	27 months.	Rheumatoid arthritis (8 years).	Several months.	27
F		31	ALL	12 months.	Rheumatoid (?) arthritis (19 months).	Intermittently—6 months.	(?)

¹ See Table 5 for abbreviations. In addition, LSA = lymphosarcoma, A Mono L = acute monocytic leukemia, CLL = chronic lymphocytic leukemia.

² Latent period = interval between start of drug therapy and diagnosis of leukemia.

³ Oxyphenbutazone.

⁴ Daily.