PROGNOSTIC FEATURES IN THE THIRD MRC

MYELOMATOSIS TRIAL

MEDICAL RESEARCH COUNCIL'S

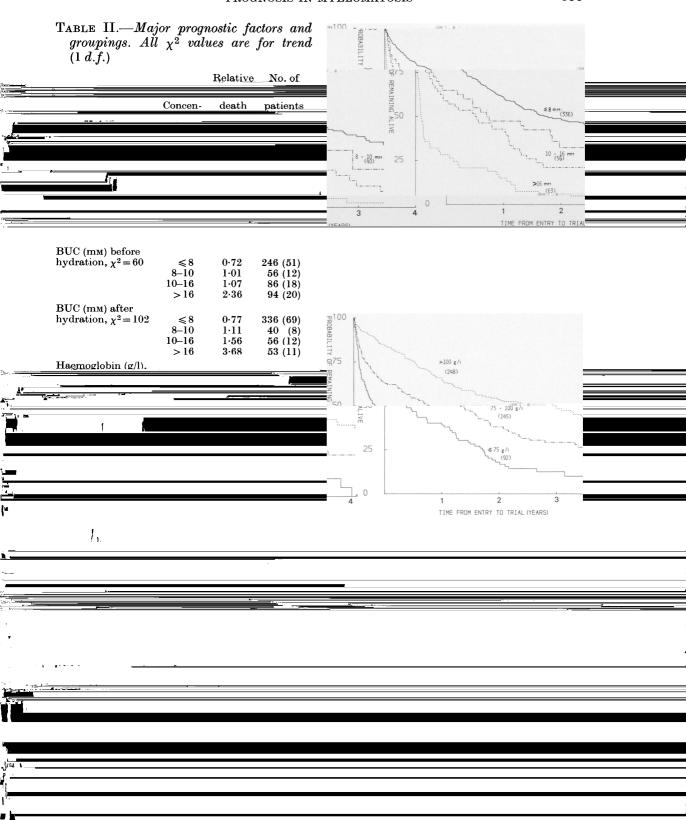
WORKING PARTY ON LEUKAEMIA IN ADULTS

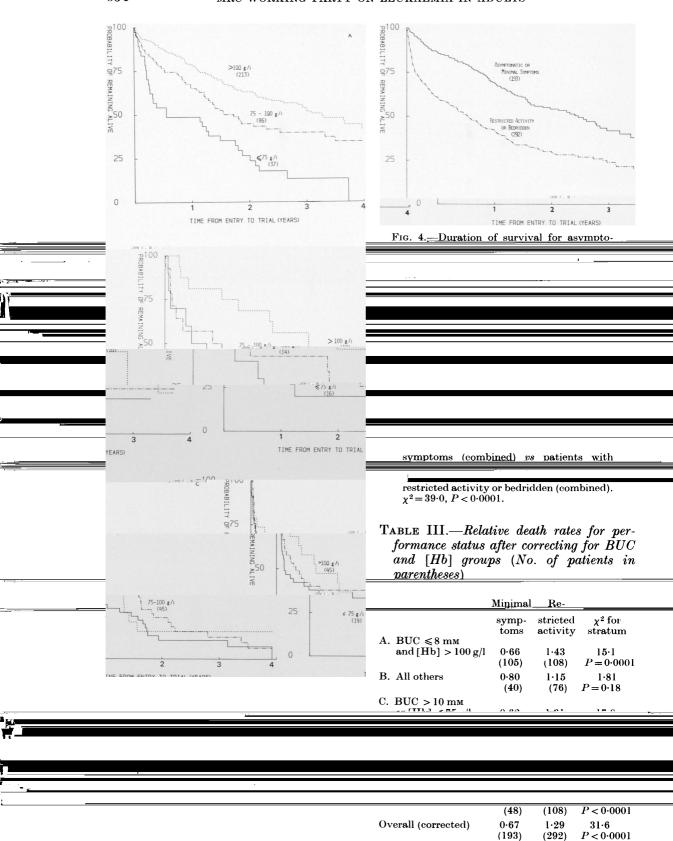
The members of the Working Party over the period of the trial were Sir John Dacie

E. K. Blackburn, S. Callender, I. W. Delamore, Sir Richard Doll, J. Durrant, J. J.

Fennelly, I. D. Fraser, F. J. G. Hayhoe, J. R. Hobbs, J. Innes, H. E. M. Kay, G. W. Marsh, G. A. McDonald, I. C. M. Maclennan, M. G. Nelson, R. Peto, R. Powles, O. S.

be eligible patients must not have been pre- weight, haemoglobin, leucocyte	e count (total
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estimate of clinical performance status.

	The χ^2 for performance status after interstratification for these 3 groups is 31·6. have	rmediate and poor prognosis groups 2 2-vear survival probabilities of 76.
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TABLE	IV	$^{\prime}.$ —Other	prognostic	factors

Serum creatinine before				Relative death	Relative death	No. of patients	-
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Serum creatinine before				L			_
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$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		Serum creatinine before		<u> </u>		· •	
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$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		1	> 150	1.71	$1 \cdot 17$	100 (30) 123 (36)	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		Serum creatinine after hydration (mm)		0.71	0.84	162 (48)	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$				$2 \cdot 24$	1.34		
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	45	Serum uric acid (mm)					
$\begin{array}{cccccccccccccccccccccccccccccccccccc$				2.46	1.67		
χ^2 21.8, $P < 0.0001$ 9.13, $P = 0.003$		Platelets ($\times 10^9/l$)	$\chi^2 > 150$	36.8, P < 0.0001 0.87	14.4, P = 0.0001 0.91	341 (75)	
0.0.0.0		Leucocyte count ($ imes 10^9/l$)		1.55 $21.8, P < 0.0001$ 0.96 1.02	9.13, P = 0.003 0.97	251 (53) 205 (43)	

TABLE	TV	(cont.)
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		TAI	BLE IV. $(cont.)$				
			Relati <u>ve death</u>	Relative death	No. of patients		
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		T ,			10()		
	Variable Paraprotein level for	Level	rate unstratified	rate stratified	(%)		
	Class A (g/l)	≤ 25 $25-50$	$\begin{array}{c} 0.53 \\ 0.88 \end{array}$	$0.56 \\ 0.90$	14 (17) 38 (47)		
		> 50 χ^2	1.64 8.43, P = 0.004	$ \begin{array}{c} 1.49 \\ 6.31, P = 0.02 \end{array} $	29 (36)		
<u>1,2</u>					* & V		
	IgM (g/l)	> 0.3 0.15-0.3	$\begin{array}{c} 0.80 \\ 0.84 \end{array}$	$\begin{array}{c} 0.80 \\ 0.82 \end{array}$	71 (28) 82 (32)		
·		<u>≤0.15</u>	1.34	1.37	101 (40)		
-	_	<u> </u>	7.00 D. 0.00F.	0.05 0 0.000			
<i></i>							
	Serum albumin (g/l)	$\leq 30 \\ 30-40$	$\begin{array}{c} 1 \cdot 43 \\ 0 \cdot 94 \end{array}$	$\begin{array}{c} 1 \cdot 15 \\ 0 \cdot 99 \end{array}$	95 (30) 172 (43)		
		$\geqslant 40$	0.65 14.4, P = 0.0001	0.76 3.72. P = 0.06	51 (16)		
		- 1	11 1,1 = 0 0001	3 12.1 = 0 00			
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e. ————————————————————————————————————	_	** 21**		<u> </u>	· · · · · · · · · · · · · · · · · · ·		
		> 125 x ²	1.25	1.13	96 (21)		
	Corrected serum	χ^2	4.03, P = 0.04	1.25			
	calcium* (mm)	≤ 2.75 > 2.75	$0.89 \\ 1.53$	0.94	221 (72)		
		χ^2	$11 \cdot 2, P = 0 \cdot 0001$	$\begin{array}{c} 1 \cdot 23 \\ 2 \cdot 90 \end{array}$	86 (28)		
	Total urinary protein (g/l)	≤ 0.85	0.74	0.79	137 (63)		
		0.85-2.0	1.34	1.24	36 (17)		
		$\begin{array}{c} > 2.0 \\ \times 2.0 \\ \times 2 \end{array}$	1.93 24.4, P = 0.0001	1.55 12.5, P = 0.0004	45 (20)		
	Urinary albumin (g/l)	χ² ≤0:05	0.83	12.5, P = 0.0004 0.83	141 (65)		

 ≤ 0.05 0.05-0.1> 0.1

Urinary albumin (g/l)

0·83 1·61 1·24

0.83

1.56 1.27

141 (65) 24 (16) 42 (19)

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natural mortality associated with the patients with levels below $100 \times 10^9/l$

	longer follow-up of the 2nd trial. How-	fared no worse than those in the 100–150
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	cases, found that patients of 60 years and	counts in this lower range had a slightly
N-	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	above fared less well than those below 60	better survival.
· -	Control of the Contro	
	(P < 0.026)	Leucocute counts — Little prognostic in
	(P < 0.026).	Leucocyte counts.—Little prognostic information could be gleaned from total
17.	(P < 0.026).	Leucocyte counts.—Little prognostic information could be gleaned from total

better survival of κ-type good-prognosis made, varied in a systematic manner, so	
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patients ($\chi^2 = 5.55$, $P = 0.02$). The assothat for each feature values at one end of ciation of heavy and light chains was the numerical range were associated with	
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by chance, with a homogeneity test yield- other end with high tumour-cell numbers.

the radiolatical findings as used by International Agency for Cancer Research. The		tha	radiological	findings	9.0	hasu	hv	Internationa	l Agency	for Cance	r Research.	. The
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