

Tony O'Hagan







2



























	AA (H)	AA (M)	CA	A real	
Outcome Probabilities				, troai	
Failure at Phase llb			0.1448	example	
Failure at preliminary Phase III	0.0565	0.0685	0.0226		
Failure for futility at futility analysis	0.0501	0.1020	0.0337		
Failure for safety at interim analysis	0.0485	0.0206	0.0441		
Failure for futility at interim analysis	0.0391	0.0765	0.0247		
Success at interim analysis	0.2529	0.2667	0.2262		
Failure for efficacy at final analysis	0.0630	0.1018	0.0523		
Failure for safety at final analysis	0.1275	0.0678	0.1182		
Success at final analysis	0.3624	0.2961	0.3334		
FAILURE PROBABILITY	0.3847	0.4372	0.4404		
SUCCESS PROBABILITY	0.6153	0.5628	0.5596		
Mean numbers of patients				Table of assurances	
Phase llb			2000	(and expected sample	
Preliminary Phase III	5400	5400	4618	sizes) for three drug development	
Phase III to futility	130	265	88		
Phase III to interim	2928	3129	2537		
Phase III to the end	7188	6054	6551	Sudleyles	
			0		















