

REFERENCES

- American Hospital Association (1988): Estimated Useful Lives of Depreciable Hospital Assets, American Hospital Publishing, INC.
- Angell, M. (1985): Cost containment and the physician. JAMA, 254(9):1203-1207.
- Barnard, CN. (1968). Human cardiac transplantation: and evaluation of the first two operations performed at the Croote Schuur Hospital, Cape town. Am J Cardio, 22(4):584-596.
- Blendon, RJ. (1986): Health policy choices for the 1980s. Issues Sci Technol, 2(4):65,1986.
- Creese, A. & Parker, D. (1994): Cost analysis in primary health care: a training manual for program managers, WHO, Geneva.
- Eddy, DM. (1986): Heart transplants. Issues Sci Technol, 2(4):13.
- Evans, RW. et al (1984): The national heart transplantation study: final report. Seattle: Bulletin Human Affairs Research Centers
- Evans, RW. (1987): The economics of heart transplantation. Circulation, 75(1):63-76.
- Frazier, OH. & Cooley, DA. (1986): Cardiac transplantation. Surgical Clinics of North America, 63 (3):477-489.
- Futterman, LG. (1988): Cardiac transplantation: A comprehensive nursing perspective Part 1. Heart & Lung. The journal of critical care, 17(5):499-509.
- Goodwin, JF. (1986): Cardiac transplantation. Circulation, 74:913-6.
- Hakim, MG. & Gill, SS. (1993): Heart transplantation: operative techniques and postoperative management. Journal of the Louisiana State Medical society, 45(5);233-40.
- Hanson, K. & Gilson, L. (1993): Cost resources use and financing methodology for basic health services: a practical manual. UNICEF. New York.
- Hellinger, FJ. (1980): An analysis of public program for heart transplantation. Journal of Human Resources, 17 (2):307-313.
- Herrell, JH. (1980): Health care expenditures: the approaching crisis. Mayo Clin Proc, 55:705-710.

- Hetzer, R. et al (1992): Progress in heart transplantation. Langenbacks Archiv fur Chirurgie - Supplement - Kongressband, 1992: :202.
- Hout, BV. (1993): Heart transplantation in the Netherlands: costs, effects and scenario. Journal of Health Economics, 12 (1993):73-93.
- Iglehart JK (1983): Transplantation: The problem of limited resources. N Engl J Med, 309(2):123.
- Kastiel, DL. (1985): Insurers want control on transplant costs. Business Insurance, November 4.
- Kaewsonthi, S. et al (1988): Costs and performance of malaria surveillance and monitoring in Thailand: A retrospective study based on apportionment of expenditure under budget headings. Social and Economic Research Project Reports No. 5. UNDP/WORLD BANK/ WHO Special Programme for Research and Training in Tropical Diseases (TDR).
- Kawashima, Y. (1993): Cardiac transplantation: present status and future. Nippon Rinsho - Japanese Journal of Clinical Medicine, 51(5);1393-9.
- Khan, NA. et al (1994): Management of orthotopic heart transplant recipient at Brooks Army Medical Centre. Military Medicine, 159(3):237-40.
- Luce, BR. & Elixhauser, A. (1990): Estimating costs in the economic evaluation of medical technologies. International Journal of Technology Assessment in Health Care, 6(1990):57-75.
- Ongcharit, C. et al (1988): The first successful heart transplantation in Thailand and the Asian region. Chula Med J, 32(9):835-840.
- Phillips, M. et al (1993): Guidelines for cost effectiveness analysis of vector control. WHO, Geneva.
- Rodeheffer, RJ. & McGregor, CG. (1992): The development of cardiac transplantation. Mayo Clinic Proceedings, 67:480-4.
- Rossell, JH. & Frasure, WW. (1964): Managerial Accounting. Charles E. Merrill Books, INC. Columbus, OHIO.
- Sakornpant, P. (1994): Intrathoracic organ transplantation in Asia. Transplantation proceedings, 26(4):2336.
- Sala, P. (1993): Simultaneous Transplantation. Today's-OR-Nurse, 15(2):23-6.

- Saywell, RM. et al (1989): Cost Analysis of Heart Transplantation From the Day of Operation to the Day of Discharge. The Journal of Heart Transplantation. 1989(8):244-252.
- Schroeder, JS. & Hunt, S. (1987): Cardiac transplantation update 1987. JAMA. 258(21):3142-3145.
- Smart, FW. et al (1993): Cardiac transplantation: an overview of recipient selection. Journal of the Louisiana State Medical Society. 145(5):213-6.
- Spratt, PM. (1992): Transplantation of heart and lung. Medical journal of Australia. 157:475-8.

APPENDIX

Annualization factors

		Discount rate																			
		1%	2%	3%	4%	5%	6%	7%	8%	9%	10%	11%	12%	13%	14%	15%	16%	17%	18%	19%	20%
Expected useful life in years	1	0.990	0.980	0.971	0.962	0.952	0.943	0.935	0.926	0.917	0.909	0.901	0.893	0.885	0.877	0.870	0.862	0.855	0.847	0.840	0.833
	2	1.970	1.942	1.913	1.886	1.859	1.833	1.808	1.783	1.759	1.736	1.713	1.690	1.668	1.647	1.626	1.605	1.585	1.566	1.547	1.528
	3	2.941	2.884	2.829	2.775	2.723	2.673	2.624	2.577	2.531	2.487	2.444	2.402	2.361	2.322	2.283	2.246	2.210	2.174	2.140	2.106
	4	3.902	3.808	3.717	3.630	3.546	3.465	3.387	3.312	3.240	3.170	3.102	3.037	2.974	2.914	2.855	2.798	2.743	2.690	2.639	2.589
	5	4.853	4.713	4.580	4.452	4.329	4.212	4.100	3.993	3.890	3.791	3.696	3.605	3.517	3.433	3.352	3.274	3.199	3.127	3.058	2.991
	6	5.795	5.601	5.417	5.242	5.076	4.917	4.767	4.623	4.486	4.355	4.231	4.111	3.998	3.889	3.784	3.685	3.589	3.498	3.410	3.326
	7	6.728	6.472	6.230	6.002	5.786	5.582	5.389	5.206	5.033	4.868	4.712	4.564	4.423	4.288	4.160	4.039	3.922	3.812	3.706	3.605
	8	7.652	7.325	7.020	6.733	6.463	6.210	5.971	5.747	5.535	5.335	5.146	4.968	4.799	4.639	4.487	4.344	4.207	4.078	3.954	3.837
	9	8.566	8.162	7.776	7.435	7.108	6.802	6.515	6.247	5.995	5.759	5.537	5.328	5.132	4.946	4.772	4.607	4.451	4.303	4.163	4.031
	10	9.471	8.983	8.530	8.111	7.722	7.360	7.024	6.710	6.418	6.145	5.889	5.650	5.426	5.216	5.019	4.833	4.659	4.494	4.339	4.192
	11	10.368	9.787	9.253	8.760	8.306	7.887	7.499	7.139	6.805	6.495	6.207	5.938	5.687	5.453	5.234	5.029	4.836	4.656	4.486	4.327
	12	11.255	10.575	9.954	9.385	8.863	8.384	7.943	7.536	7.161	6.814	6.492	6.194	5.918	5.660	5.421	5.197	4.988	4.793	4.611	4.439
	13	12.134	11.348	10.635	9.986	9.394	8.853	8.358	7.904	7.487	7.103	6.750	6.424	6.122	5.842	5.583	5.342	5.118	4.910	4.715	4.533
	14	13.004	12.106	11.296	10.563	9.899	9.295	8.745	8.244	7.786	7.367	6.982	6.628	6.302	6.002	5.724	5.468	5.229	5.008	4.802	4.611
	15	13.865	12.849	11.938	11.118	10.380	9.712	9.108	8.559	8.061	7.606	7.191	6.811	6.462	6.142	5.847	5.575	5.324	5.092	4.876	4.675
	16	14.718	13.578	12.561	11.652	10.838	10.106	9.447	8.851	8.313	7.824	7.379	6.974	6.604	6.265	5.954	5.668	5.405	5.162	4.938	4.730
	17	15.562	14.292	13.166	12.166	11.274	10.477	9.763	9.122	8.544	8.022	7.549	7.120	6.729	6.373	6.047	5.749	5.475	5.222	4.990	4.775
	18	16.398	14.992	13.754	12.659	11.690	10.828	10.059	9.372	8.756	8.201	7.702	7.250	6.840	6.467	6.128	5.818	5.534	5.273	5.033	4.812
	19	17.226	15.678	14.324	13.134	12.085	11.158	10.336	9.604	8.950	8.365	7.839	7.366	6.938	6.550	6.198	5.877	5.584	5.316	5.070	4.843
	20	18.046	16.351	14.877	13.590	12.462	11.470	10.594	9.818	9.129	8.514	7.963	7.469	7.025	6.623	6.259	5.929	5.628	5.353	5.101	4.870
	21	18.857	17.011	15.415	14.029	12.821	11.764	10.836	10.017	9.292	8.649	8.075	7.562	7.102	6.687	6.312	5.973	5.665	5.384	5.127	4.891
	22	19.660	17.658	15.937	14.451	13.163	12.042	11.061	10.201	9.442	8.772	8.176	7.645	7.170	6.743	6.339	6.011	5.696	5.410	5.149	4.909
	23	20.456	18.292	16.444	14.857	13.489	12.303	11.272	10.371	9.580	8.883	8.266	7.718	7.230	6.792	6.399	6.044	5.723	5.432	5.167	4.925
	24	21.243	18.914	16.936	15.247	13.799	12.550	11.469	10.529	9.707	8.985	8.348	7.784	7.283	6.835	6.434	6.073	5.746	5.451	5.182	4.937
	25	22.023	19.523	17.413	15.622	14.094	12.783	11.654	10.675	9.823	9.077	8.422	7.843	7.330	6.873	6.464	6.097	5.766	5.467	5.195	4.948
	26	22.795	20.121	17.877	15.983	14.375	13.003	11.826	10.810	9.929	9.161	8.488	7.896	7.372	6.906	6.491	6.118	5.783	5.480	5.206	4.956
	27	23.560	20.707	18.327	16.330	14.643	13.211	11.987	10.935	10.027	9.237	8.548	7.943	7.409	6.935	6.514	6.136	5.798	5.492	5.215	4.964
	28	24.316	21.281	18.764	16.663	14.898	13.406	12.137	11.051	10.116	9.307	8.602	7.984	7.441	6.961	6.534	6.152	5.810	5.502	5.223	4.970
	29	25.066	21.844	19.188	16.984	15.141	13.591	12.278	11.158	10.198	9.370	8.650	8.022	7.470	6.983	6.551	6.166	5.820	5.510	5.229	4.975
	30	25.808	22.396	19.600	17.292	15.372	13.765	12.409	11.258	10.274	9.427	8.694	8.055	7.496	7.003	6.566	6.177	5.829	5.517	5.235	4.979

BIOGRAPHY

Miss Suvimon Pavananunt was born on 12th April 1955. in Bangkok. She got her Diploma in Nursing & Certificate in Midwifery in 1977, and Bachelor in Nursing Science in 1987 from Nursing College of The Thai Red Cross Society. She also continued her education in the Faculty of Education. Chulalongkork University and got her Bachelor of Education in 1980.

She had one year working experience in emergency room and more than ten years experience in the operating room. especially in the cardiovascular thoracic surgery. At the present she works as a staff nurse in the operating room of Chulalongkorn Hospital.