

RESEARCH AND TECHNOLOGY RESUME				1.	2. GOVT ACCESSION	3. AGENCY ACCESSION	REPORT CONTROL SYMBOL
						DD-DR&E(AR) 636	
4. DATE OF RESUME	5. KIND OF RESUME	6. SECURITY	7. REGRADING	8. RELEASE LIMITATION	9. LEVEL OF RESUME		
31 12 65	D. Change 31 12 64	U U RPT WHR	N/A	CA	A. Work Unit		
100. CURRENT NUMBER CODE				100. PRIOR NUMBER CODE			
61245012				MR005.12-1502.14			
11. TITLE: (U) Technetium 99M: Evaluation of its Use in Brain Scanning							
12. SCIENTIFIC OR TECH. AREA				13. START DATE	14. CRIT. COMPL. DATE	15. FUNDING AGENCY	
003500 Clinical Medicine				01 65	N/A	DNO	
16. PROCURE. METHOD	17. CONTRACT/GRANT	18. RESOURCES EST.		19. PROFESSIONAL MAN-YEARS		20. FUNDS (In thousands)	
C.	a. NUMBER: N/A	PRIOR FY '65		.005		1.0	
In-house	b. TYPE: N/A	CURRENT FY '66		.05		1.0	
19. GOVT LAB/INSTALLATION ACTIVITY				20. PERFORMING ORGANIZATION			
NAME: U.S. Naval Hospital				NAME: U.S. Naval Hospital			
ADDRESS: National Naval Medical Center Bethesda, Maryland 20014				ADDRESS: National Naval Medical Center Bethesda, Maryland 20014			
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21. TECHNOLOGY UTILIZATION				22. COORDINATION			
N/A				N/A			
23. KEYWORDS							
<p>24. (U) Objective: To evaluate this isotope preparation as an agent for brain scanning in hopes of using this agent as a routine drug because of its physical and pharmacologic advantages.</p> <p>25. (U) Approach: Simultaneous scanning of patients referred to the Radioisotope Clinic for brain scans with TC-99M and with HSAI-131 to assess the accuracy and to develop experience with this preparation. Propagation of experience with this isotope is to be made by qualifying physicians from other institutions who train in this laboratory.</p> <p># 26. (U) To date, two "cows" have been utilized as foregoing, and certain artefact patterns have been established for this preparation. The technique of collecting, preparing, assaying and administering this isotope is now worked out. Soon the pharmaceutical companies supplying this isotope will adopt a generator design originating in this laboratory for the safer handling of this isotope. To date, only about 20 brain scans have been performed with TC-99M with simultaneous NSA I-131 scans. This project is continuing, and funding of 1.1 - 1.2 thousand dollars per year are necessary for 2 more years to terminate in FY 1968.</p>							
27. COMMUNICATIONS SECURITY				29. OSD CODE		30. BUDGET CODE	
a. COMSEC OR COMSEC RELATED <input checked="" type="checkbox"/> NOT RELATED				BR		1	
31. MISSION OBJECTIVE				32. PARTICIPATION			
N/A				N/A			
33. REQUESTING AGENCY				34. SPECIAL EQUIPMENT			
N/A				N/A			
35. EST. FUNDS (In thousands)				36.			
N/A							