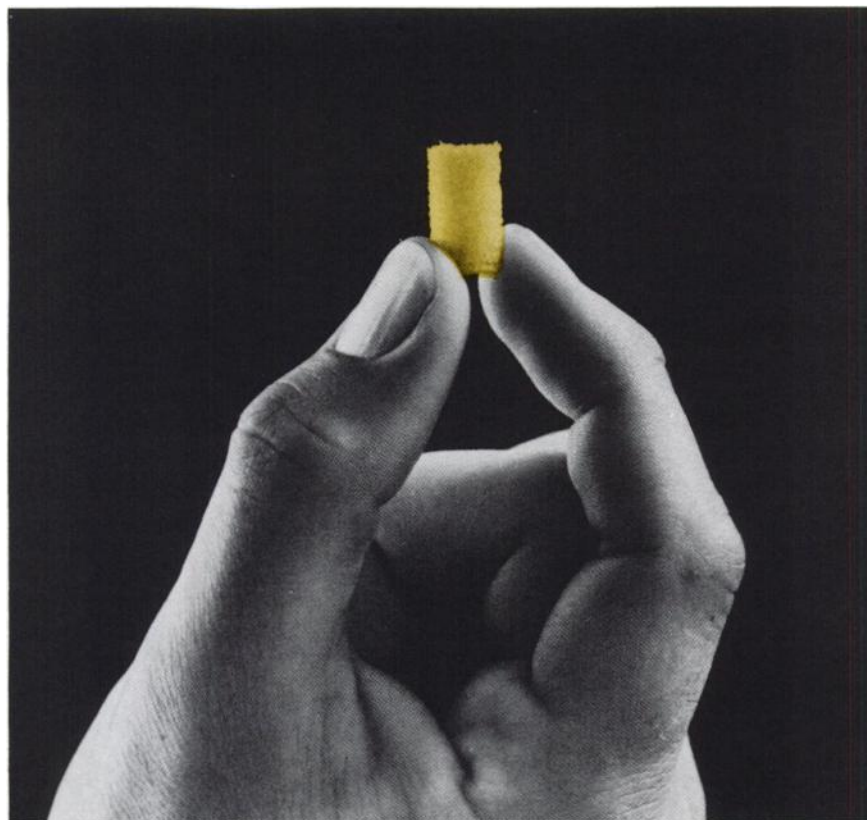


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By requesting both Tetrasorb (a direct measure of thyroid activity) and Triosorb (an indirect measure of thyroid activity) for his patient, the physician can make his diagnosis with increased confidence.

3. Manfredi, O. L., et al., J. Nuclear Med., 7:72, 1966.



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"Fortunately, the generally available *resin up-*

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1. Gold, A., Appl. Ther., 9:599, 1967.

2. Editorial, Canad. Med. Assn. J., 97:32, 1967.

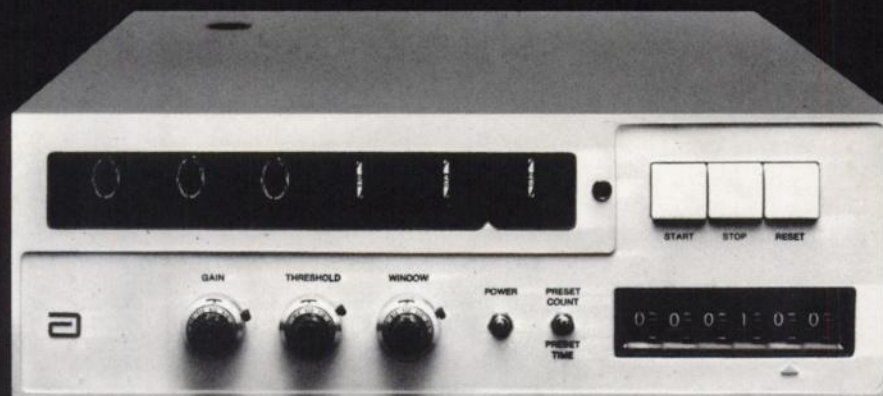


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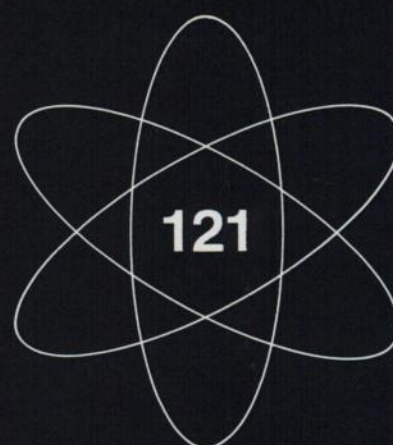
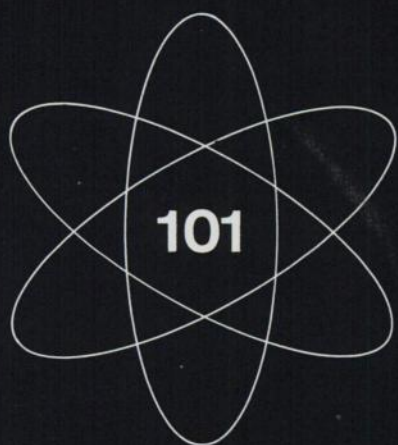
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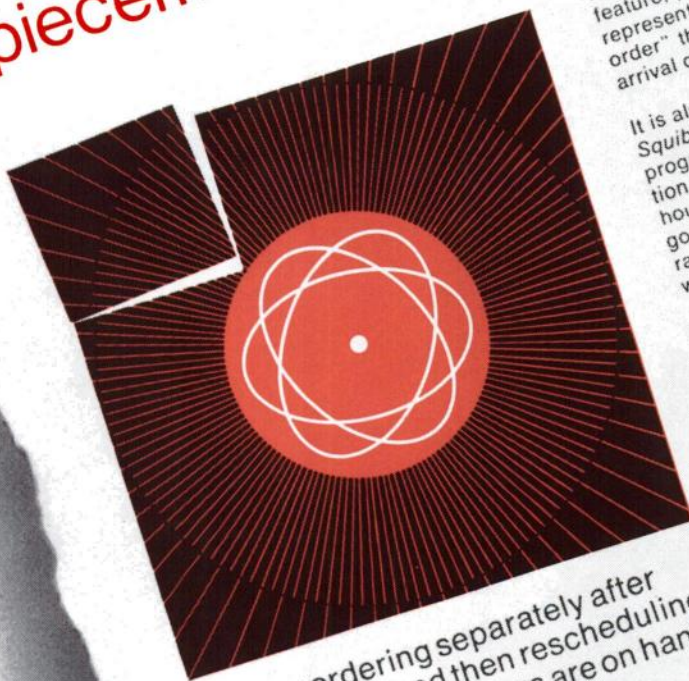
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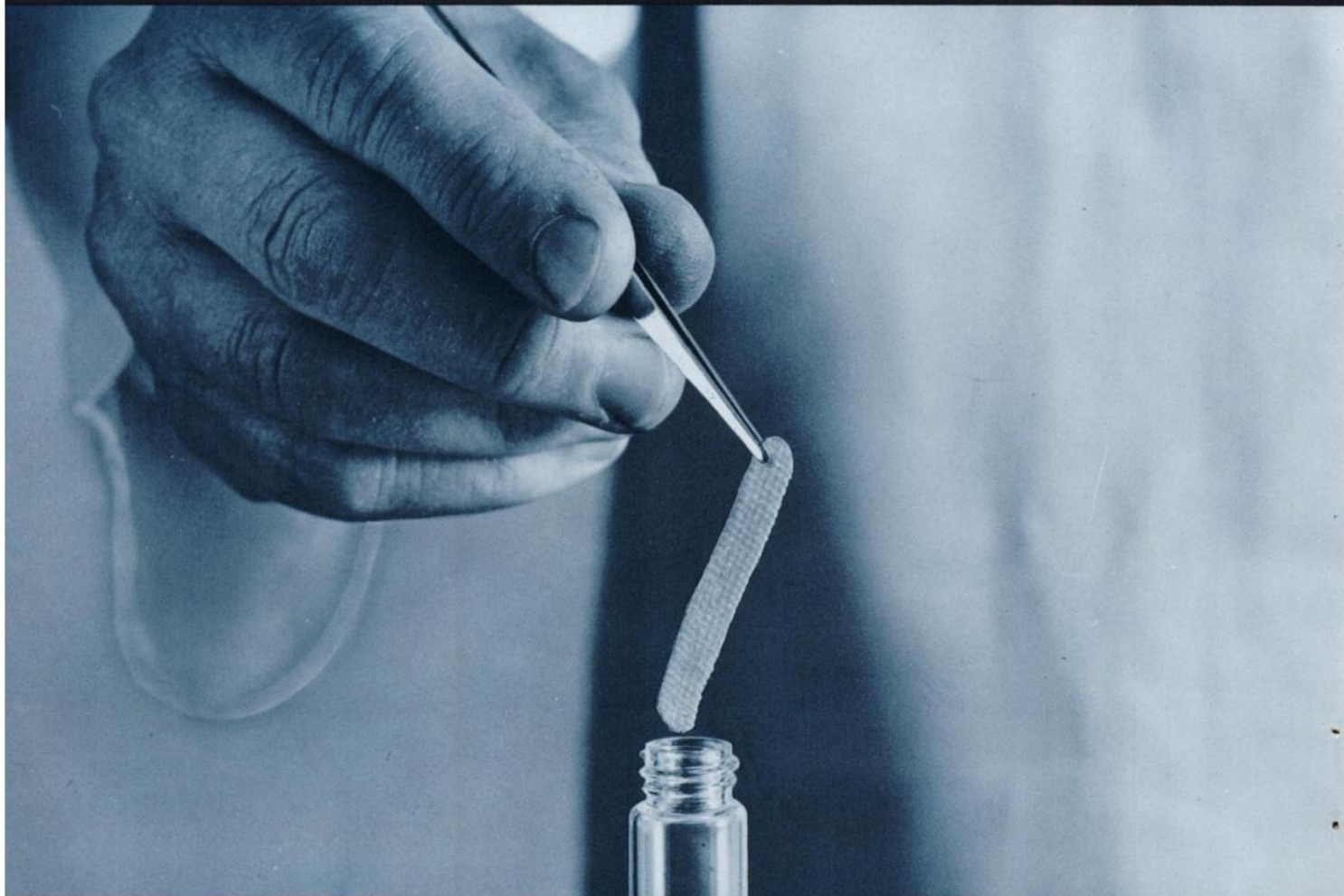
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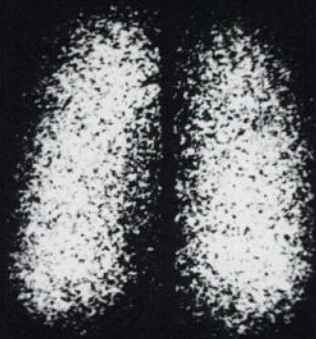
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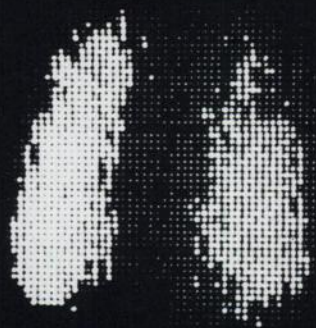
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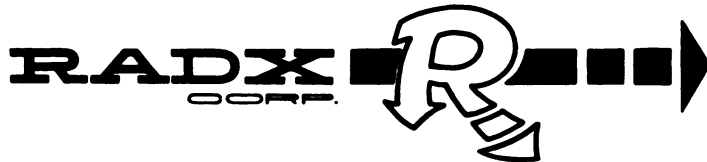
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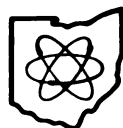


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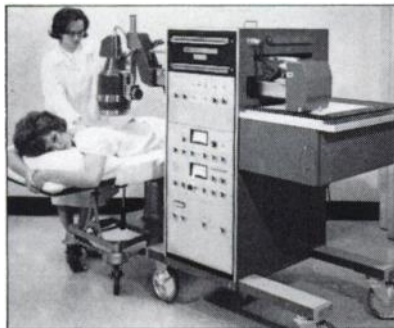


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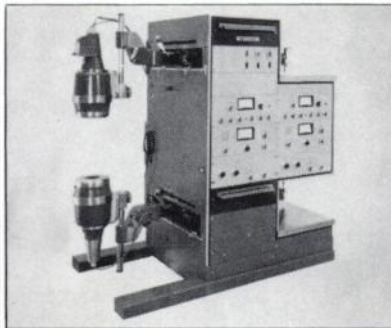
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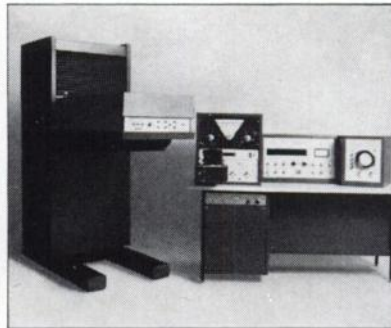
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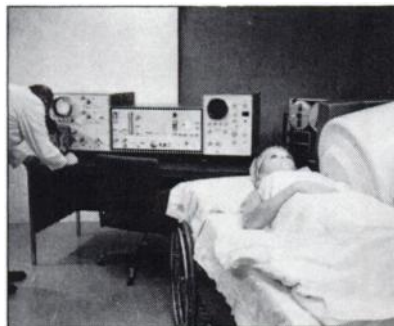
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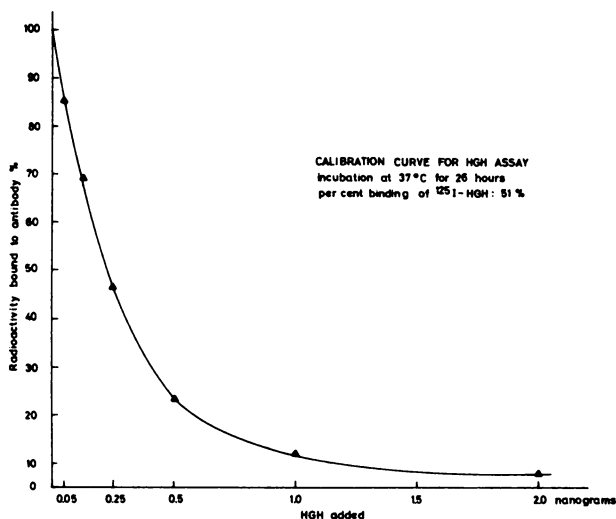
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INDEX TO ADVERTISERS

Abbott Laboratories North Chicago, Ill.	Cover, i, xxvi, xxvii
Amersham/Searle Chicago, Ill.	x
Ames Co., Div. of Miles Laboratory Elkhart, Ind.	xii
Baird-Atomic, Inc. Cambridge, Mass.	xxx, IBC
Cambridge University Medical School Cambridge, England	xxiv
Capintec New York, N.Y.	v, xxv
Mary Hitchcock Memorial Hospital Hanover, N.H.	xvii
Intertechnique Dover, N.J.	xxviii, xxix
Mallinckrodt/Nuclear St. Louis, Mo.	viii, ix
Nuclear-Chicago Des Plaines, Ill.	xx, xxi, BC
Nuclear Data Palatine, Ill.	xiii
New England Nuclear Corp. Boston, Mass.	ii, xi
Ohio-Nuclear Corp. Cleveland, Ohio	xv
Picker Nuclear White Plains, N.Y.	xvi
SNM Placement Service New York, N.Y.	xxiv
Radiation Machinery Corp. Parsippany, N.J.	xxiii
Radx Corp. Houston, Texas	xiv
Sorin, Nuclear Research Center Saluggia, Italy	xxii
Squibb, E. R. & Sons New Brunswick, N.J.	vi, vii, xviii, xix
Herbert J. Thomas Memorial Hospital South Charleston, W.Va.	xvii
Veterans Administration Hospital Houston, Texas	xvii

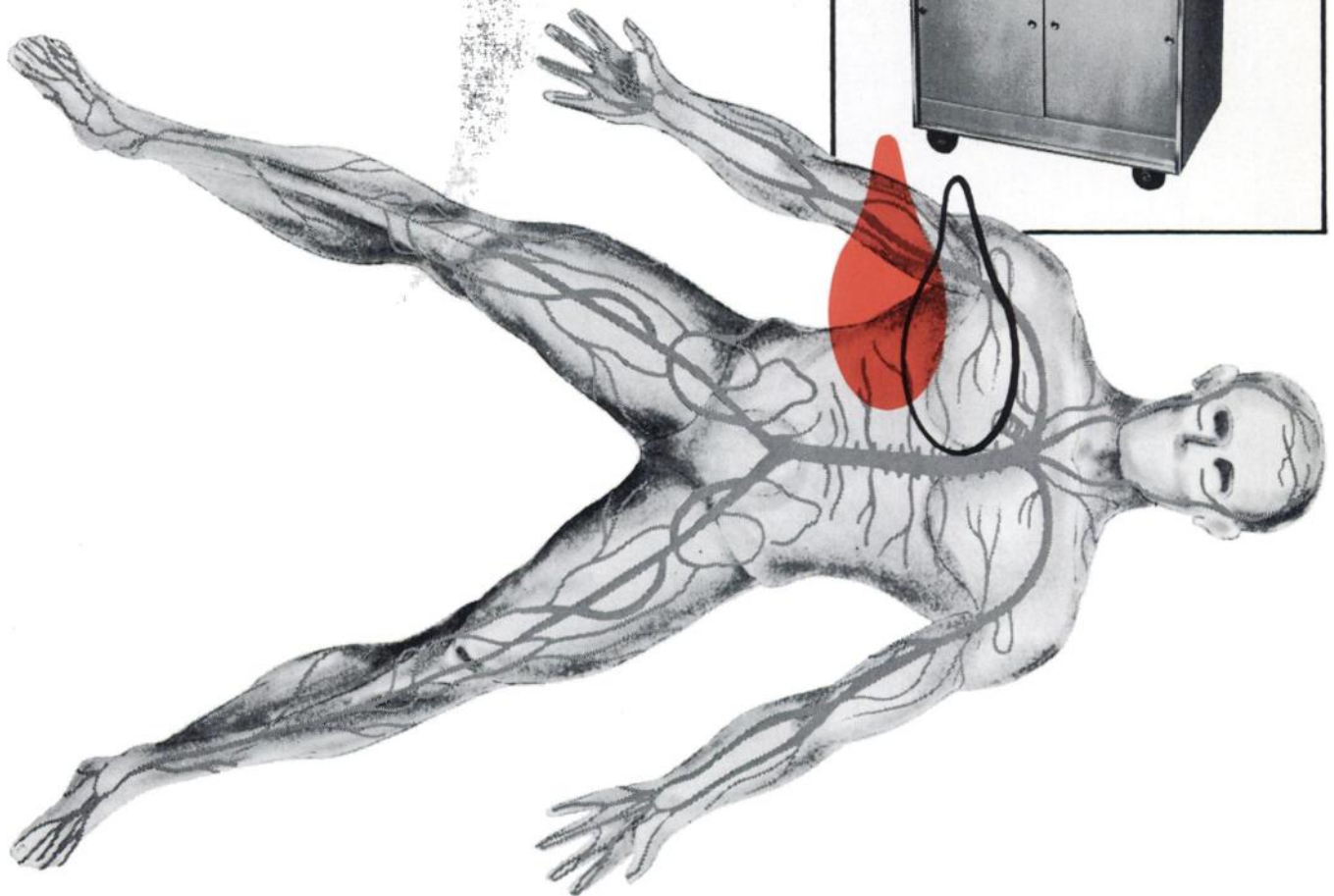
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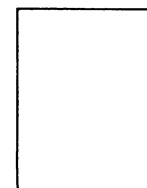
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pulmonary problem,
Macroscan-131 pictures it!

A 70-year old man was admitted unconscious to the intensive care unit. Studies failed to reveal evidence of a myocardial infarction and the X-ray was not revealing. A pulmonary infarct was suspected and this diagnosis was established by a lung scan.

His posterior view scan above, showing diminished uptake in the left lingula and right lower lobe, was made with Macroscan-131. This product has many diagnostic uses:

Pulmonary embolism, suspected: To confirm (or rule out) its occurrence.

Chronic pulmonary tuberculosis: To estimate unilateral and regional function and perfusion of the lungs.

Emphysema: To evaluate the decreased regional blood flow that occurs with obstruction of vessels.

Pneumonitis: To evaluate the decreased regional blood flow that occurs without obstruction of vessels.

Lung Tumors: To evaluate the regional ischemia resulting from compression or obstruction of pulmonary arteries.

Macroscan™-131
AGGREGATED RADIO-IODINATED (I^{131}) ALBUMIN (HUMAN)

Surgery and/or other therapy for lung disorders:
To evaluate the effectiveness of therapeutic measures.

Macroscan-131 is sterile and non-pyrogenic. It is ready to use and should not be heated prior to use.

INDICATIONS: For scintillation scanning of the lungs to evaluate total, unilateral, and regional arterial perfusion of the lungs.

CONTRAINDICATIONS: Radio-pharmaceutical agents should not be administered to pregnant women or to persons less than 18 years old unless the indications are very exceptional.

PRECAUTIONS, SIDE EFFECTS: Care should be taken to administer the minimum dose consistent with safety and validity of data. The possibility of an immunological response to albumin should be kept in mind when serial scans are performed. There is a theoretical hazard in acute cor pulmonale, because of the temporary small additional mechanical impediment to pulmonary blood flow. A possible case of urticaria has been related to a similar preparation. The thyroid gland should be protected by prophylactic administration of concentrated 903116 iodide solution.

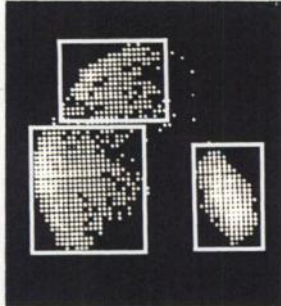
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**Until Digital
Cinescintigraphy
becomes part of your
scintillation camera
or scanner system,
you are making
only partial use
of scintigraphy's
powerful diagnostic
capabilities.**

Digital Cinescintigraphy is a highly versatile system for storing and analyzing scintigraphic information. It takes raw data from a scanner or camera, converts it to digital form, stores it directly in a core memory or on magnetic tape and permits you to manipulate and display it, without loss of true-time relationship, at your convenience. More specifically, you can use Digital Cinescintigraphy to:



**For
Scanner
Systems**

- Digitize and store scan data directly in core memory to permit images to be added, subtracted and integrated.
- Precisely integrate irregular organ areas by use of a light pen.
- Switch memory configuration from conventional square (64 x 64) display to rectangular (32 x 128) to suit the shape of the organ under study—for example, the spinal column.
- Permit performance of dual isotope studies using a single or dual headed scanner.
- Preserve data in standard tape cassettes for future analysis.
- Provide a data format compatible with most large computers.



**For
Scintillation
Camera
Systems**

- Digitize and store raw data from a scintillation camera directly on magnetic tape, on a real time basis, so that time-of-occurrence information is preserved.
- Play back and view any image of any area for any time period during the study.
- Perform compartmental analysis to determine the "time/rate" variation in uptake throughout an organ.
- Precisely integrate irregular organ areas by use of a light pen.
- Set up "windows" over particular regions of interest of an organ and generate differential uptake curves for those specific regions. Up to eight different regions of interest can be established at one time to produce a simultaneous display of eight time-rate curves.
- Record separately and simultaneously the images produced in dual isotope studies.
- Provide a data format compatible with most large computers.

Digital Cinescintigraphy can expand the capabilities of your scintigraphy system. For more information, write or call Don Zahorik at Inter technique Instruments Inc., Randolph Industrial Park, Dover, New Jersey 07801. Telephone: (201) 361-5550.



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