## Landmarks and Landmines in the Early History of Radiopharmaceuticals

For each of the following questions, select the best answer. Then circle the number on the CE Tests Answer Sheet that corresponds to the answer you have selected. Keep a record of your responses so that you can compare them with the correct answers, which will be published in the next issue of the Journal. Answers to these test questions should be returned on the Answer Sheet no later than March 1, 1993. Supply your name, address, and VOICE number in the spaces provided on the Answer Sheet. Your VOICE number appears on the upper left hand corner of your Journal mailing label. No credit can be recorded without it. A 70% correct response rate is required to receive 0.1 CEU credit for this article. Members participating in the continuing education activity will receive documentation on their VOICE transcript, which is issued in March of each year. Nonmembers may request verification of their participation but do not receive transcripts.

dium fluoride <sup>18</sup> F were once useful for	lower energy gamma radiation than <sup>203</sup> Hg.	200. sodium hydroxide 201. hydrochloric acid 202. none of the above
171. brain imaging	187. True	
172. cardiovascular imaging	188. False	
173. bone imaging		
174. pulmonary imaging	Fwas reported	<b>J.</b> The availability of reactor produced <sup>99</sup> Mo for use in generators reduced the amount of radionuclide
<b>B.</b> All of the following are true statements except the statement that	in the literature to have erythrocyte denaturation properties.  189. <sup>197</sup> Hg-chlormerodrin	impurities present in the eluate. 203. True 204. False
175. fluoride <sup>18</sup> F has a longer half-life than <sup>85</sup> Sr	190. <sup>197</sup> Hg-MHP 191. <sup>203</sup> Hg-chlormerodrin 192. <sup>131</sup> I-albumin	ne experimenta l'agradiant gibre e trade
176. <sup>18</sup> F is produced by a cyclotron		<b>K.</b> 99m Tc produced from generators
177. upon injection, <sup>85</sup> Sr took a few	trategoreministration parameter as a	can be reduced for labeling with other
days to clear from the abdomen	<b>G.</b> <sup>75</sup> Se-1-selenomethionine was	compounds by
before imaging could commence	used in	205. ferrous ascorbate
178. the radiation dose to the patient	193. pancreatic imaging	206. ascorbic acid
was very high with 85Sr	194. brain imaging	207. stannous ion
Employ of the Research of the Section of the Sectio	195. renal imaging	208. 205 & 206 only
C. One of the early successful materials used in brain scanning was	196. pulmonary imaging	209. 205 & 207 only
179. sodium iodide <sup>131</sup> I	H. Brookhaven National Labora-	L. Making macroaggregated albu-
180. hippuran <sup>131</sup> I	tory produced a generator that con-	min with a 99mTc label for lung
181. rose bengal <sup>131</sup> I 182. albumin <sup>131</sup> I	tained <sup>90</sup> Y on an ion-exchange resin and produced <sup>90</sup> Sr upon elution with a	imaging in earlier years required
	citrate buffer. 197. True	210. a mixture of <sup>99m</sup> Tc sulfur colloid with a small quantity of serum
<b>D.</b> One of the early successful ma-	198. False	albumin
terials used in liver function studies was	A CLASS AND A STATE OF	211. denaturing albumin by a heating process
183. sodium iodide 131I	Prior to the use of isotonic saline	212. no quality control
184. hippuran <sup>131</sup> I	as an eluant of 99mTc in generators,	213. all of the above
185. rose bengal <sup>131</sup> I	was used.	214. none of the above
186. albumin <sup>131</sup> I	199. oxygen	215. 210 & 211 only