



### Materials Inspection Record

<b>1. Licensee Name:</b> Zakwan Mahjoub, M.D., P.C.		<b>2. Docket Number(s):</b> 030-39211		<b>3. License Number(s)</b> 21-35578-01	
<b>4. Report Number(s):</b> 2020-001			<b>5. Date(s) of Inspection:</b> December 22, 2020		
<b>6. Inspector(s):</b> Ryan Craffey		<b>7. Program Code(s):</b> 02201	<b>8. Priority:</b> 5	<b>9. Inspection Guidance Used:</b> IP 87130	
<b>10. Licensee Contact Name(s):</b> Ray Carlson - RSO		<b>11. Licensee E-mail Address:</b> rayacarlson@att.net		<b>12. Licensee Telephone Number(s):</b> 734-395-7361	
<b>13. Inspection Type:</b> <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Announced <input type="checkbox"/> Non-Routine <input type="checkbox"/> Unannounced		<b>14. Locations Inspected:</b> <input checked="" type="checkbox"/> Main Office <input type="checkbox"/> Field Office <input type="checkbox"/> Temporary Job Site <input checked="" type="checkbox"/> Remote		<b>15. Next Inspection Date (MM/DD/YYYY):</b> 12/22/2025 <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Extended <input type="checkbox"/> Reduced <input type="checkbox"/> No change	

**16. Scope and Observations:**

This was an announced initial inspection, conducted remotely, of a privately-owned cardiology practice authorized by an NRC Materials License issued on January 22, 2020 to use byproduct material for diagnostic medical purposes at its facility in Rochester Hills, Michigan. At the time of the inspection, the licensee performed up to six cardiac stress tests per day, Monday through Wednesday. Nuclear medicine staff were only present on days when administrations were performed. The licensee used only unit doses of radiopharmaceuticals and retained the services of a consulting medical physicist to fulfill the duties of RSO, calibrate its survey instruments, and audit the radiation safety program quarterly.

**PERFORMANCE OBSERVATIONS**

Using a video teleconference platform, the licensee's RSO provided the inspector with a walk-through of the clinic at 8811 East South Boulevard in Rochester Hills and a review of equipment and licensed material present. The inspector confirmed that the facility was adequately posted, adequately secured, and that it matched the description provided by the licensee in its application dated October 15, 2019. At the direction of the inspector, the RSO performed surveys of the facility; no evidence of residual contamination or exposures to members of the public in excess of regulatory limits was noted. The inspector also remotely observed demonstrations of the implementation of licensee procedures for instrument checks, package receipt, preparation and administration of radiopharmaceuticals, waste handling, and contamination control. The inspector interviewed the nuclear medicine technologist and the RSO to discuss the program and a variety of radiation safety topics, and found them both to be knowledgeable of radiation protection principles, licensee procedures, and regulatory requirements.

The inspector reviewed a selection of records, including quarterly consultant audits, documentation of various surveys and instrument quality assurance checks, dose administration records, and radiation safety training material. No personnel dosimetry reports were yet available to review, as the licensee had only been conducting licensed activities since early October 2020 and the original-issue quarterly dosimetry was still in use.

No violations of NRC requirements were identified as a result of this inspection.