



STATE OF MICHIGAN
DEPARTMENT OF COMMUNITY HEALTH
LANSING

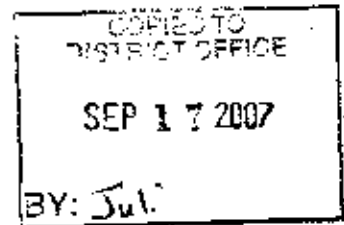
JENNIFER M. GRANHOLM
GOVERNOR

JANET OLSZEWSKI
DIRECTOR

September 17, 2007

Pierre C. Atallah, M.D.
Rochester Diagnostic & Specialty Center
543 North Main
Rochester, Michigan 48308

Mammography Facility Registration Number: 18706
Mammography Machine Registration Number: 45187



Dear Doctor Atallah:

The Radiation Safety Section examined the mammography facility at the above address on August 29, 2007, to determine compliance with the *Ionizing Radiation Rules* of the State of Michigan, applicable radiation statutes, and the federal Mammography Quality Standards Act (MQSA). Results of the state inspection are presented below. Results of the MQSA inspection were left with the facility at the time of the inspection.

The facility did not meet the requirements of the rules, as follows.

1. **Rule 652(3).** The automatic exposure control system did not maintain image optical density to within ± 0.2 of the average as the kVp was varied within the clinically employed range and as attenuator thickness was varied from 2 to 6 centimeters for each clinically employed kVp.
2. **Rule 664(c).** The following processor quality control tests were not being measured and plotted daily:

Medium density.
Density difference.
Base-plus-fog.
Developer temperature.

Phantom Image and Radiation Dose Information

Our survey of the mammography equipment included an analysis of an image of an RMI Model 156 mammography phantom and determination of patient dose at technique settings used for an average-size, average-density breast: Auto Time mode at 25 kVp and zero density.

The phantom image appeared to meet the required minimum imaging standards.

The measured skin entrance exposure was 1238 mR, and the half-value layer at 25 kVp was 0.29 millimeter of aluminum. The mean glandular dose can be estimated to be about 183 millirads.

Please refer to the *Mammography Inspection Data Sheet* for a detailed analysis of the mammography phantom image, machine checks, and information concerning quality assurance.

Response

Written notice of corrective action for the indicated items of noncompliance is requested by October 15, 2007.

For your convenience, a notification form is enclosed which can be filled in, signed, and returned to indicate completion of corrective action.

Please be sure to **indicate the facility registration number** in correspondence.

An invoice for the mammography machine inspection fee is enclosed. Payment of the fee is now due. Failure to pay this fee may result in the initiation of actions to withdraw your mammography authorization.

A mammography machine inspection certificate will be issued following receipt of notice of corrective action for all items of noncompliance.

Should there be any questions regarding this report or if we can be of further assistance in radiation protection matters, please contact us at (586) 446-0200.

Sincerely,



Cathy Clark, M.S., Health Physicist
Radiation Safety Section
Division of Health Facilities & Services
E-mail: cclark1@michigan.gov
Website: www.michigan.gov/rss

Enclosures: *Mammography Inspection Data Sheets*
Notification Form
Mammography Inspection Invoice

cc: Melissa Ebbinghouse



STATE OF MICHIGAN
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JENNIFER M. GRANHOLM
GOVERNOR

JANET OLSZEWSKI
DIRECTOR

September 20, 2007

Pierre C. Atallah, M.D.
Rochester Diagnostic & Specialty Center
543 North Main
P. O. Box 82177
Rochester, Michigan 48308

Mammography Facility Registration Number: 18706

Dear Doctor Atallah:

Thank you for your letter of September 12, 2007, notifying us that corrective action is being taken to comply with the *Ionizing Radiation Rules* of the State of Michigan.

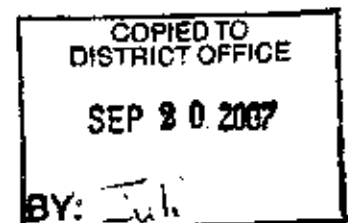
Based on the notice, we are pleased to inform you that the mammography facility is now considered to be in compliance with **Rule 664(c)**. **Rule 652(3)** remains an item of noncompliance. We remind you that **Rule 652(3)** requires that the automatic exposure control system maintain image optical density to within ± 0.2 of the average as the kVp is varied within the clinically employed range and as attenuator thickness is varied from 2 to 6 centimeters for each clinically employed kVp.

Please send another notice within 30 days when the necessary changes have been completed to achieve compliance with **Rule 652(3)**.

A mammography machine inspection certificate will be issued following receipt of notice of corrective action for all items of noncompliance.

The mammography machine inspection fee has still not been received. We remind you that failure to pay this fee will result in the initiation of actions to withdraw your mammography authorization.

Should there be any questions regarding this report or if we can be of further assistance in radiation protection matters, please contact us at (586) 446-0200.



Pierre J. Attallah, M.D.

September 20, 2007

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Thank you for your cooperation.

Sincerely,



for: Cathy Clark, Health Physicist
Radiation Safety Section
Division of Health Facilities & Services
E-mail: cclark1@michigan.gov
Web Site: www.michigan.gov/rss

cc: Jennifer Cornell, R.T.(R)(M)