



**Hannibal Regional
Hospital**



July 28, 2009

Licensing
NRC Region III
2443 Warrenville Rd.
Lisle, IL 60532-4352

Re: New Authorized User, License # 24-18988-01

P.O. Box 551
6000 Hospital Drive
Hannibal, Missouri 63401
573.248.1300

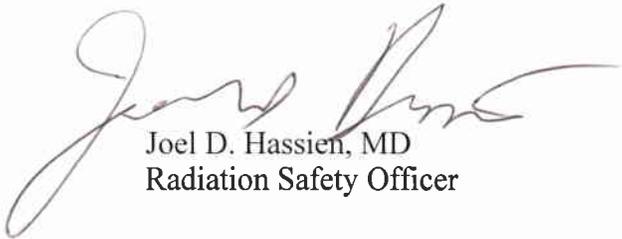
www.HRHonline.org

To Whom It May Concern:

We would like to add Charles Heggen, MD for authorized uses 35.100, 35.200, and oral I-131 NaI (I-131 \leq 30 mCi for hyperthyroidism and cardiac dysfunction). Dr. Heggen has been previously authorized for these uses on Iowa license 0004-1-77-NV1. Dr. Heggen has formally been approved for authorized use by our Radiation Safety Committee.

If you have any questions, please contact David J. Keys, Ph.D., at 314-779-9081, or by email at dkeys@med-phys.com.

Sincerely,



Joel D. Hassien, MD
Radiation Safety Officer

RECEIVED AUG 05 2009



MATERIALS LICENSE

STATE CAPITOL OF IOWA DES MOINES, IOWA

Pursuant to Chapter 136C of the Iowa Code and 641-38 through 42 (136C) of the Iowa Administrative Code and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer radioactive materials designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the rules of the applicable chapter(s). This license is subject to all applicable rules and orders of the Iowa Department of Public Health including the Iowa Rules for Radiation Machines and Radioactive Materials [641-38 through 42] now or hereafter in effect, and to any conditions specified below.

Licensee

1. Nuclear Sonics Associates, Inc.
2. PO Box 6
New Richmond, Wisconsin 54017

In accordance with the *letter* dated **December 9, 2008**, License No.: 0004-1-77-NV1 is **amended** to read as follows:

3. **License Number:** 0004-1-77-NV1
Amendment 02

4. **Expiration Date:** March 31, 2011

5. Byproduct Source, Special Nuclear, and/or Natural Occurring or Accelerator Produced Radioactive Material

- A. Any radioactive material authorized by 641-41.2(31).
- B. Any radioactive material authorized by 641-41.2(33) excluding Xenon-133.
- C. Iodine-131
- D. Technetium-99m
- E. Cobalt-57

6. Chemical and/or Physical Form

- A. Any form authorized by 641-41.2(31).
- B. Any form authorized by 641-41.2(33) excluding generators.
- C. Any form authorized by 641-41.2(37).
- D. Liquid Pertechnetate
- E. Sealed Source

7. Maximum Amount that Licensee May Possess at any One Time Under This License

- A. As needed.
- B. As needed.
- C. Doses not to exceed 33 millicuries
- D. No single source to exceed 1000 mCi
- E. No single source to exceed 30 mCi

8. AUTHORIZED USE

- A. Medical use described in 641-41.2(31).
- B. Medical use described in 641-41.2(33).
- C. Medical use described in 641-41.2(37).
- D. To be used for linearity testing of dose calibrator.
- E. To be used for quality control of medical imaging systems.

*OK'd per Debbie Piskars
NRC*

*(for Dr. Heggen to give diagnostic
I-131 doses.*

(Feb. 09)



STATE CAPITOL OF IOWA DES MOINES, IOWA

MATERIALS LICENSE

Supplementary Sheet

License No.: 0004-1-77-NV1
Amendment 02

Robert M. Guthrie, MD, for materials described in 641-41.2(37), Iodine-131 only.

Subhi Halawa, MD, for materials described in 641-41.2(33) for cardiovascular imaging only.

Glenn M. Hammer, MD, for materials described in 641-41.2(31); (33); (37), Iodine-131 only.

Michael T. Hanigan, MD, for materials described in 641-41.2(31); (33); (37), Iodine-131 only.

Karen L. Harkens, MD, for materials described in 641-41.2(31); (33); (37), Iodine-131 only.

Charles N. Heggan, MD, for materials described in 641-41.2(31); (33); (37), Iodine-131 only for the treatment of hyperthyroidism and cardiac dysfunction only.

John F. Henderson, MD, for materials described in 641-41.2 (31); (33); (37), Iodine-131 for treatment of hyperthyroidism and/or cardiac dysfunction only.

Lee F. Henry, DO, for materials described in 641-41.2(31) and (33).

Michael Hirleman, MD, for materials described in 641-41.2(31); (33); (37), Iodine-131 for treatment of hyperthyroidism only.

Ryan M. Holthaus, MD, for materials described in 641-41.2(31); (33); (37), Iodine-131 only.

Arnold B. Honick, MD, for materials described in 641-41.2(31); (33); (37), Iodine-131 only.

Jason D. Hughes, MD, for materials described in 641-41.2(31); (33); (37), Iodine-131 only.

William L. Hunter, MD, for materials described in 641-41.2 (31) and (33).

Varsha Iyer, MD, for materials described in 641-41.2(31); (33); (37), Iodine-131 only.

Kevin M. Jaeger, MD, for materials described in 641-41.2(33) for cardiovascular imaging only.

Vandana Jain, MD, for materials described in 641-41.2(37), Iodine-131 only.

Brad Janson, MD, for materials described in 641-41.2(31); (33); (37), Iodine-131 only.

David E. Jensen, MD, for materials described in 641-41.2 (33).

Paul R. Kenney, MD, for materials described in 641-41.2(31) and (33).

Richard T. Kettelkamp, DO, for materials described in 641-41.2(33) for cardiovascular imaging only.

Jihad M. Khalil, MD, for materials described in 641-41.2(33) for cardiovascular imaging only.



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PO Box 551 Hannibal MO 63401-0551

LICENSING
NRC REGION III
2443 WARRENVILLE RD.
LISLE, IL 60532-4352



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