

Erratum: "Supplement to the 2004 update of the AAPM Task Group No. 43 Report" [Med. Phys. 34, 2187–2205 (2007)]

Mark J. Rivard^{a)}

Department of Radiation Oncology, Tufts University School of Medicine, Boston, Massachusetts 02111

Wayne M. Butler

Schiffler Cancer Center, Wheeling Hospital, Wheeling, West Virginia 26003

Larry A. DeWerd

Accredited Dosimetry and Calibration Laboratory, University of Wisconsin, Madison, Wisconsin 53706

Geoffrey S. Ibbott

Radiological Physics Center, M.D. Anderson Center, Houston, Texas 77030

Ali S. Meigooni

Lexington, Kentucky 40502

Christopher S. Melhus

Department of Radiation Oncology, Tufts University School of Medicine, Boston, Massachusetts 02111

Michael G. Mitch

Ionizing Radiation Division, National Institute of Standards and Technology, Gaithersburg, Maryland 20899

Ravinder Nath

Department of Therapeutic Radiology, Yale University School of Medicine, New Haven, Connecticut 06510

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This erratum clarifies one point and corrects a typographical error in the supplement to the updated AAPM Task Group No. 43 Report (AAPM TG-43U1S1).¹ In Sec. III.B., clarifications on recommended interpolation and extrapolation methods for the 1D anisotropy function $\phi_{\text{an}}(r)$ were presented. Equations (1) and (2) of the TG-43U1S1 report demonstrated extrapolation methods of $\phi_{\text{an}}(r)$ for $r < r_{\text{min}}$. However, Eq. (1) should have been

$$\phi_{\text{an}}(r) \approx \phi_{\text{an}}(r_{\text{min}}) \frac{r_{\text{min}}^2 G_L(r_{\text{min}}, \theta_0)}{r^2 \cdot G_L(r, \theta_0)} \quad \text{for } r < r_{\text{min}}. \quad (1)$$

Equation (2) contained a typographical error and should have been

$$\phi_{\text{an}}(r) \approx \phi_{\text{an}}(r_{\text{min}}) \frac{\int_{4\pi} G_L(r, \theta) d\Omega / G_L(r, \theta_0)}{\int_{4\pi} G_L(r_{\text{min}}, \theta) d\Omega / G_L(r_{\text{min}}, \theta_0)} \quad (2)$$

for $r < r_{\text{min}}$,

where the extrapolated $\phi_{\text{an}}(r)$ is the product of $\phi_{\text{an}}(r_{\text{min}})$ and the ratio of the geometry function integrated over all space divided by the geometry function on the transverse plane at r and r_{min} .

These equations were used correctly to calculate the data in columns 4 and 5 of Table XII of TG-43U1S1, but were included incorrectly in the report text. The AAPM Low Energy Brachytherapy Source Dosimetry Work Group appreciates the contributions to this erratum from Dr. Keith Furutani, who brought the errors to our attention.

^{a)}Electronic mail: mrivard@tuftsmedicalcenter.org

¹M. J. Rivard, W. M. Butler, L. A. DeWerd, M. S. Huq, G. S. Ibbott, A. S. Meigooni, C. S. Melhus, M. G. Mitch, R. Nath, and J. F. Williamson, "Supplement to the 2004 Update of the AAPM Task Group No. 43 Report," Med. Phys. **34**, 2187–2205 (2007).