

duced earlier—based on the observed deviations of the 10 counts from their average—providing a value of $s = 10.4$. The second method, based on the assumption of equiprobable counts in which $\sqrt{\bar{x}} = 7.4$, is also an estimation of variability. Thus, the ratio of these estimates, $s/\sqrt{\bar{x}}$, measures how much the observed variability exceeds the variability to be expected. In this case, the

observed variability was 1.41 times the expected.

To test the null hypothesis that the equiprobable assumption is true, we compare $D = s^2/\bar{x}$ (called index of dispersion) with values found in special tables. In this case, we find that $D = 1.988$ and $P = 0.036$, indicating that the assumption may not be valid. The counting appears to be somewhat erratic.

**Sierra Valley Nuclear Medicine Association
Northern California Chapter
Society of Nuclear Medicine**

May 6–7, 1983

Caesars Tahoe

South Lake Tahoe, Nevada

The Sierra Valley Nuclear Medicine Association and the Northern California Chapter, Society of Nuclear Medicine will hold its 15th Annual Spring Symposium on May 6 and 7, 1983, at Caesars Tahoe in South Lake Tahoe, Nevada. The theme is "New Vistas in Nuclear Medicine."

Featured speakers and topics include:

Gerald DeNardo, M.D.
L. Steven Graham, Ph.D.
David Gilday, M.D.
Thomas Brady, M.D.
Ernest Garcia, Ph.D.
H.S. Winchell, M.D.

Future of Nuclear Medicine
Fundamentals – SPECT
Clinical – SPECT
NMR
Quantitative Tl-201
Radiopharmaceuticals

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Sacramento, California 95816

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