

## **Game Changer: Will Canadian Innovators Succeed in Changing the Tc-99m Medical Isotope Global Supply Chain?**

**François Couillard**

**Chief Executive Officer, Canadian Association of Medical Radiation Technologists**

### **Abstract**

The risk of a global shortage of medical radioisotopes is an issue of concern in the near to medium term, particularly for the community of nuclear medicine specialists and their patients. Technetium-99m is used in over 80% of nuclear medicine procedures- more than 30-40 million examinations worldwide yearly. This is the “bread and butter” of nuclear medicine. Ongoing reliable supply of this critical isotope appears to be questionable. In this presentation, François will draw on his past experience as past executive with Nordion and his current role as CEO of the Canadian Association of Medical Radiation Technologists to provide an overview of the situation and explain what initiatives are under way to mitigate risks of supply disruption. He will comment on the likely impact of Canada’s innovative projects to produce this isotope without the NRU reactor and discuss the current global view on future supply and demand scenarios.