

Abstract

Importance of contact for CVD diamond radiotherapy dosimeter

An initial assessment of CVD diamonds as radiotherapy dosimeter has been attempted. In this work, we observed that contacts could play a major role especially for diamond when cvd diamonds are to be used as radiotherapy dosimeter. The electrical contacts were made using the thermal evaporation of Gold/Chromium.

Many times, poor quality contacts were misinterpreted as poor quality diamond sample. When contact was refabricated, rapid improvement in response was observed.

All the above mentioned effects will be discussed in detail with the measured data.