Laboratory experiments including observer studies suggest that CADe should be effective in improving the accuracy of mammography. However, the few clinical studies reported have not been as positive as the non-clinical studies have indicated. There are several possible explanations for this that will be discussed in this forum. These include (a) methodological problems making it difficult to measure any true improvement; (b) laboratory experiments are too different from actual clinical conditions (c) CADe is an effective clinical tool only under certain conditions. This symposium will discuss these issues.