

# An Introduction to Cancer Treatments

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By the end of this study day you will have:

- *An understanding of the role of radiotherapy, chemotherapy and biological therapies and immunotherapy in the treatment of cancer*
- *A grasp of the relationship between of the cell cycle and DNA and the effective working of these treatment strategies.*
- *Knowledge around lots of terminology associated with these strategies.*
- *An understanding of the similarities and differences between these treatment strategies*
- *An appreciation of the side effects associated with these treatments.*

*"I did not expect to be totally engrossed with all aspects of the day as I much as I was. David made what could have been quite a heavy and intense day very enjoyable."*

Marie Gardner, Modernisation Manager, South East Scotland Cancer Network (SCAN)

<b>9.15</b>	<b>Introduction to the Day</b>
<b>9.30 – 11.00</b>	<b>Radiotherapy</b> <ul style="list-style-type: none"> <li>• How can we use radiation to kill cancer cells?</li> <li>• External beam radiotherapy v Brachytherapy</li> <li>• Planning through to Treatment</li> <li>• Recent developments in Radiotherapy</li> </ul>
<b>11.00 – 11.20</b>	<b>Break</b>
<b>11.20-12.30</b>	<b>Chemotherapy</b> <ul style="list-style-type: none"> <li>• Types of drugs – how they work</li> <li>• Why do we use drugs in combination?</li> <li>• Routes of administration</li> <li>• Common Side Effects</li> </ul>
<b>12.30 – 13.15</b>	<b>Lunch</b>
<b>13.15 – 14.45</b>	<b>Biological Therapies</b> <ul style="list-style-type: none"> <li>• ‘The Concept – what do we target and why’</li> <li>• Monoclonal Antibodies v Small Molecule Inhibitors</li> <li>• Consideration of side effects</li> </ul>
<b>14.45 – 15.00</b>	<b>Break</b>
<b>15.00 – 16.15</b>	<b>Immunotherapy</b> <ul style="list-style-type: none"> <li>• What is Immunotherapy?</li> <li>• Where does it fit in?</li> <li>• How does it work?</li> <li>• What are checkpoint inhibitors?</li> <li>• Side effects associated with immunotherapy drugs</li> </ul>
<b>16.15-16.30</b>	<b>Questions and Departure</b>

*“This course has given me much more knowledge and understanding of why different treatments are used in the treatment of cancer”*

*“The course structure was brilliant. The content was excellent and provided an excellent introduction to the subject”*

*“For Researchers and Information Specialists ... this type of knowledge is central to understanding the published papers on cancer treatments i.e. finding them and appraising them”*