## Lay Summary of a Completed Research Project

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<th>CCR No and Study Title:</th>
<th>CCR3694: Assessing Treatment Response of Peritoneal Metastases in Ovarian Cancer Using Diffusion Weighted Magnetic Resonance Imaging (DISCOVAR)</th>
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| CI and Sponsor names:    | Professor Nandita deSouza  
Institute of Cancer Research |
| Study opening date:      | 14.08.12  
Study closing date:      | 13.10.18 |
| Proposal and Objectives: | This study was set up to evaluate a type of Magnetic Resonance Imaging (MRI) scan called ‘diffusion weighted’ MRI (DW-MRI). Imaging techniques such as CT and MRI are often used to find out how well treatment has worked. This study wanted to see if DW-MRI could measure how well ovarian, peritoneal cancer or fallopian tube cancer respond to treatment. The study included five NHS centres across the UK, led by the Institute of Cancer Research and Royal Marsden Hospital, in order to build on previous single-centre studies and assess DW-MRI in a multi-centre setting. |
| Main Findings:           | DW-MRI was standardised across the centres and rigorous quality assurance and control performed to ensure the measurements were reliable.  
DW-MRI was successfully evaluated for monitoring treatment response in patients with ovarian cancer that has spread.  
Consistent results were obtained, indicating that this technique provides a non-invasive method than can detect very small, early changes that occur in response to treatment of advanced ovarian cancer. |
| Implications for practice/future research: | This imaging technique has the potential to provide an early indication of how well a patient with advanced ovarian cancer is responding to treatment. This information can be used to plan future treatment options for each patient. |
| Dissemination Plan:      | The results of this study have been published in radiological journals and presented at international conferences.  
A lay summary will be made available on the Trust website for participants, patients and members of the public. |