*Concise Summary*

This is a research study to find out if a drug called ABC-123 is safe and to determine the safest, most effective dose of the drug.

Depending on when you enroll in this study, you will receive higher doses of ABC-123 until the safest and best tolerated dose is reached. ABC-123 is given via *i.v.* infusion in the clinic at UVMMC. You will have tests, exams and procedures that are part of your standard care and for study purposes. Each clinic visit will last 4-5 hours. Infusions of study drug will be given during week 1 of each 3-week cycle. After two cycles, you will be evaluated and you may be able to continue receiving ABC-123 if you have had no bad reactions to the study drug or disease progression.

There are risks to this study drug that are described in this document. Some risks include: nausea, diarrhea, low white & red blood cell count, being tired & weak, fever, muscle pain and radiation risks from CT scans.

The information above is only a brief summary of the study. If you are interested in learning more, it is important to read the following pages for additional detailed information about the study. If you decide to take part in the research, you will be asked to provide written consent at the end of this document.

*Concise Summary*

The purpose of this research study is to determine the effectiveness of physical therapy in the treatment of patients with ABC. Participants will undergo a 2-day screening that includes a blood draw, exercise testing, and completion of quality-of-life surveys. Once screening is complete, participants will complete a physical therapy program that will require visits to UVM’s fitness center three times each week for 16 weeks, for a total of 48 visits. Each visit will take about 2 hours. Participants will also be asked to complete a pain diary and have blood draws every 4 weeks throughout the study. Follow-up phone calls from the study team will occur at 4 weeks and 8 weeks after completion of the physical therapy program. Total study duration is about 6 and one-half months.

The greatest risks of this study include the possibility of injury during the physical therapy program and loss of confidentiality.

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*Concise Summary*

This research project is an effort to learn more about how people with autism process information. We know that more than half of people diagnosed with Autism Spectrum Disorder (ASD) have trouble understanding the written word. Others have difficulty following stories, or directions, that are spoken. And yet some of these people can understand ideas or stories in pictures or drawings.

In this study we will use a computer to test reading, listening, and looking at pictures — while we watch how your eyes move and how your brain reacts as you process information. We are testing two groups of people — people who have been diagnosed with ASD, and people whose brains have developed in a more typical way.

The equipment we use won’t hurt you. The whole process will take two to three hours. You could get tired or bored. You might get frustrated and upset. You can stop or quit at any time.

Here’s some background — understanding even simple sentences requires our brain to make complicated connections. We want to know whether comprehension difficulties in ASD are with the language — that is, the way in which the brain processes words and sentences, OR whether there is something else about the brain’s central computing system that may make it more difficult for the brain to make these connections.

Ultimately, we hope to find ways to improve language comprehension and cognition in autistic individuals so they can better understand the world around them.

The information above is only a brief summary of the study. If you are interested in learning more, it is important to read the following pages for additional detailed information about the study. If you decide to take part in the research, you will be asked to provide written consent at the end of this document.