

DSI Data Services provided guidance and the quick turnaround of data tables for a CRO that needed assistance with data collection and analysis due to inexperience with JET Respiratory Inductive Plethysmography (RIP).

**The Challenge.** A CRO needed to use JET RIP to carry out a validation study followed by subsequent sponsor studies. Although the CRO was familiar with the use of JET for ECG, it did not have experience using JET RIP. Additionally, the CRO lacked the time necessary to carry out a thorough analysis of the data. As a result, there were difficulties with the data collection and analysis. Scientists at the CRO initially contacted DSI technical support when they had issues with signal clarity. The technical support representative determined that certain channels were not properly set, and JET gain settings were too high, resulting in truncated signals. DSI helped resolve the signal clarity issue, but when the CRO carried on with its independent data collection and analysis, it continued to struggle with the unfamiliar collection method and lack of time, which resulted in some unusable data.

**The Solution.** After a few months, the CRO's deadline for the sponsored study was fast approaching, but the data analysis was not complete. Because the CRO scientists had been impressed with the DSI technical support assistance they received previously, they made an urgent request for DSI Data Services to perform an analysis of the data tables and create a final report. After identifying all of the issues, DSI Data Services was able to clean up the data and complete the project in ten days.

**The Outcome.** Because the Data Services team was able to efficiently correct the issues presented, the data were valid for inclusion in the sponsor's study. DSI Data Services helped the CRO deliver the results it promised, thus allowing the CRO to maintain its commitment to the sponsor. Data Services further assisted the CRO by educating its scientists on the data collection process associated with JET RIP.

Because Data Services earned the CRO's trust by providing start-to-finish support, the CRO has begun contracting Data Services for additional studies, both JET RIP and JET BP/ECG.

