

## **Femur Deformity CORA Planning: How to Control the CORA Location**

*S. Robert Rozbruch, MD*

Hospital for Special Surgery

535 East 70<sup>th</sup> Street

New York, NY 10021

rozbruchsr@hss.edu; 212-606-1415 telephone, 212-774-2744 facsimile

### **What was the question?**

We use the CORA method for planning deformity correction in the femur. There are situations when the CORA location is not in a practical place. This can occur with complex multiapical deformity or when there is associated translation. This might mandate the surgeon to translate excessively, or perform the osteotomy in an undesirable location, or require 2 osteotomy locations when he does not want to do so. Can we place the CORA at a practical site for osteotomy and obtain satisfactory deformity correction?

### **How did you answer the question?**

A method for placing the femur CORA in a desirable location was devised. This is a modification of the Fujisawa method used for planning overcorrection at a high tibial osteotomy. This was used to plan surgery in 3 cases. The preoperative and postoperative bipedal standing radiographs were analyzed for alignment.

### **What are the results?**

Satisfactory deformity correction was obtained in all 3 cases.

### **What are your conclusions?**

When the femur CORA is not in a practical location and the surgeon wants to place it in a particular place, this can be done using this new method. Satisfactory deformity correction can be achieved.