

“Patient Specific Instrumentation” (PSI) is a type of computer assisted knee replacement that allows the surgeon to have instruments that fit your knee and only your knee. It requires either MRI or CT scan, and when that painless and simple process is complete the surgeon will manipulate the images in a computer program to find exactly the right size and alignment to match the shape of your knee. Once this is complete, the protocol is sent to the company and your “patient specific” instruments are made and ready to use for total knee replacement.

I really like the idea of this technology! It allows me to be in control, but intimately involves computer assistance as well. With these tools at my disposal, I am able to calculate your alignment and size ahead of time on the computer which shortens the time you will be in surgery. Also, because there is no need to access the central canal of your bone there should be less bleeding. Finally, PSI enables me to be more accurate with my “bone carpentry” during your surgery which can help your joint replacement last longer. Please contact my office for an appointment to discuss this new technology.