

How to Achieve Kirby Skive in AOMS

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What is Kirby Skive? From www.PFOLA.ORG, we can find the following descriptions.

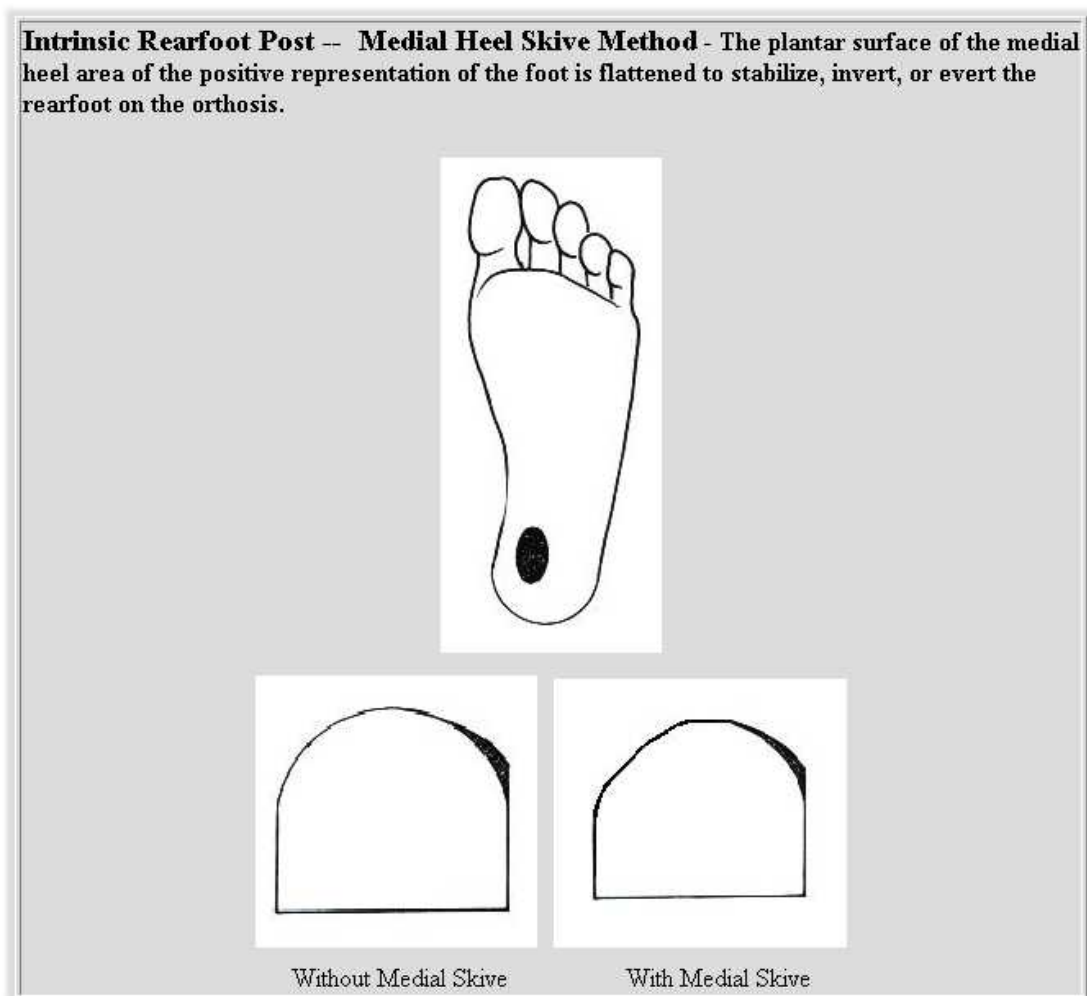


Figure 1: Medial Heel Skive by PFOLA

To be more specific, we can find the following detailed descriptions on the Internet: “A medial skive cast technique (Kirby Skive) is a rise on the inside of the heel cup. It comes in mild (2 mm), strong (4 mm) and very strong (6 mm). Developed in 1992, this technique increases ground reactive force through the orthotic on the medial plantar side of the calcaneus, decreasing the motivation to evert and encouraging inversion of the heel. This technique requires a deep heel cup (16 mm) and a hard rearfoot post for orthotic stability.”

<http://www.podiatrytoday.com/article/3337> By Paul Scherer, DPM.

Because there are differences between the CAD/CAM approach and the manual work, there are two ways we can achieve the Kirby Skive in the AOMS.

1. Carve corrected foot mold as normal. Then, grind off the heel as described in the above. In this approach, the traditional method can be applied without much doubt.
2. Adjust the heel curves in the AOMS. This method is described in details in the following. For the easiness of discussion, please refer to the Sharp Shape PDF document “AOMS Cast Correction Techniques”. In that document, control points are drawn. The control points are named by columns and rows.

Please refer to the Sharp Shape PDF document “AOMS Cast Correction Techniques”. The “Kirby Skive” technique will affect the areas at D, E crossing I, J, K, L (Figure 16 and Figure 17). The most affected area is at E crossing J, K. In order to make a gradual blended curve, do not forget the other areas, such as D or I.

To make the Kirby Skive in AOMS, go to cast correction software. Highlight the ‘Latitudinal Section’ and place the cursor at the medial side of the heel. Jog the curve down into the foot (normally forbidden) from the medial side. Make sure you also do the similar thing on the other control line (D) of the heel (press Enter to access it). Figure 2 illustrates a scenario that Kirby Skive can be achieved. Note that the shape of heel at the medial side is pushed down and into the foot. It is not precisely a duplication of Kirby Skive made manually. However, the effect is the same, i.e. to post the heel up intrinsically at the medial side.

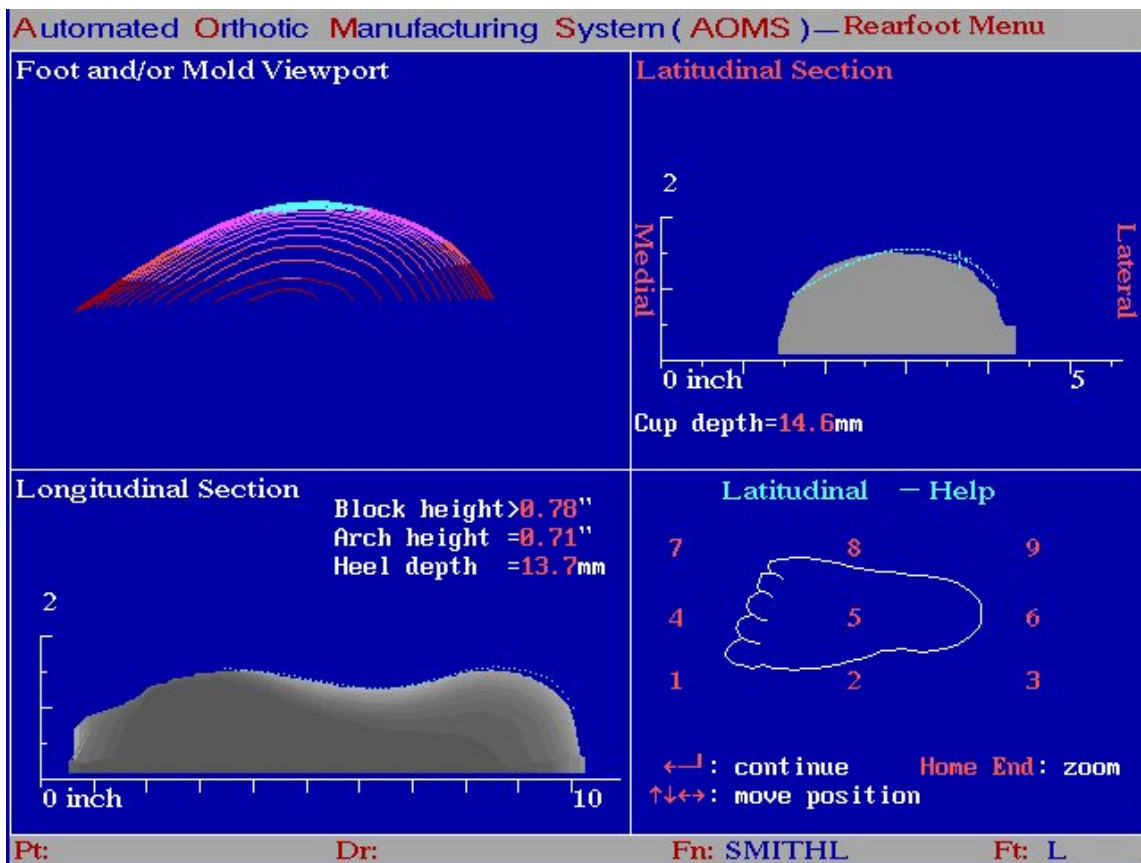


Figure 2: Medial Heel Skive in AOMS

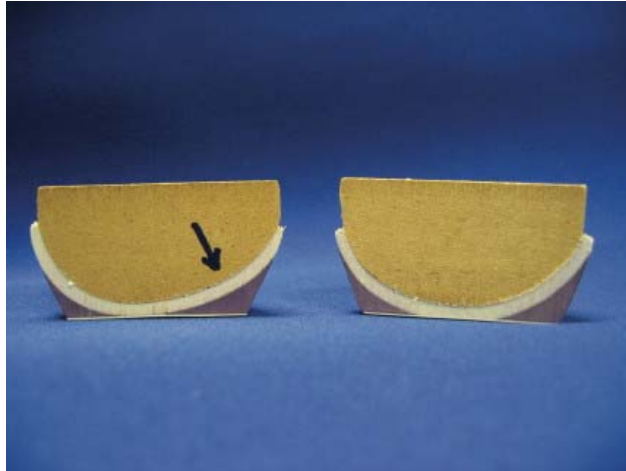


Figure 3: Carved Medial Heel Skive

By comparisons, cross-sections of the carved wood molds are shown in Figure 3. The one on the left has a Kirby Skive. The photo is from <http://www.podiatrytoday.com/article/7886> By Paul Scherer, DPM.

Medial Heel Skive (or Kirby Skive) can be partially achieved in the AOMS software. Because of the way the AOMS software works, there is no way to quantities the above mentioned “2 mm”, “4 mm”, etc. However, similar effects can be applied to the corrected casts.

Since we are no experts on the pathology of the foot, you may further consult with a podiatrist.



If you have any questions, please contact us at sharpshape@comcast.net. -- End of File --