

CLAIMS

1. A cannula having a pointed geometric configuration at one end, the pointed geometric configuration comprising:
 - 5 a primary bevel;
 - a pair of tip bevels on an opposing surface to the primary bevel; and
 - a smoothened section at an intersection junction of each of the pair of tip bevels and the primary bevel to minimize damage to a catheter in which the cannula may be housed.
- 10 2. The cannula of claim 1, wherein the primary bevel is provided on the cannula at a first planar angle with reference to a first reference axis (x-axis) parallel to a central axis of the cannula.
3. The cannula of claim 2, wherein the first planar angle is in a range of 17° to 21° .
- 15 4. The cannula of any of claims 1 to 3, wherein the pair of tip bevels is provided on the cannula at a second planar angle with reference to a second reference axis (z-axis) orthogonal to a central axis of the cannula.
5. The cannula of claim 4, wherein the second planar angle is in the range of 13° to 19° .
- 20 6. The cannula of any one of claims 1 to 5, wherein the smoothened section excludes burrs.
7. A method to form a cannula having a pointed geometric configuration at one end, the cannula comprising a primary bevel at the one end of the cannula, and a pair of tip bevels on an opposing surface to the primary bevel, the method comprising smoothening an intersection junction of each of the pair of tip bevels and the primary bevel to minimize damage to a catheter in which the cannula may be housed.
- 25 8. The method of claim 7, wherein smoothening is carried out using at least one process selected from a group consisting of: grinding, filing, and chiseling.
- 30 9. The method of either claim 7 or 8, further comprising removing of burrs from the intersection junction.