

Title (en)
ROTARY DEVICE FOR REMOVING OPHTHALMIC LENS

Title (de)
ROTATIONSVORRICHTUNG ZUM ENTFERNEN EINER AUGENLINSE

Title (fr)
APPAREIL ROTATIF POUR LE RETRAIT DU CRISTALLIN

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Abstract (en)
[origin: WO9745061A1] This invention is a system (300) and method for reducing and removing ophthalmic lens of a mammalian eye. The system (300) includes a rotary lens reducing probe device (302) of either straight or curved configuration, said probe device (302) comprising a tubular outer sheath (320) through which a rotatable drive shaft (316) extends. A rotating lens reducing head member (318) is positioned on the distal end of the drive shaft (316). The head member (318) is configured and constructed to draw a flow of fluid and lens matter into contact therewith, thereby facilitating complete reduction of the entire lens without requiring significant axial (i.e., longitudinal) movement of the probe within the lens capsule. The distal portion of the tubular sheath (320) is preferably configured to shield a portion of the lens reducing head (318) during operation to avoid inadvertent damage to lens capsule. Also, the distal portion of the sheath (320) may be aimed or positioned to direct the flow of fluid and lens matter created by the rotating head in a preferred flow path within the lens capsule. The device (302) may incorporate means for infusing and/or withdrawing fluid, and/or debris into/from the eye.

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