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Book Descriptions:

constellation vitrectomy manual

Alcon Laboratories, Inc. Fort Worth, Texas 76134 2099 Alcon Laboratories U.K. Ltd. Boundary Way, Hemel Hempstead, Hertfordshire, HP2 7UD England. Produced By. Alcon Laboratories, Inc. Irvine, California 92618 3818 Reusable Handpiece and Accessories Cleaning and Sterilization Instruction..... 4.4 Figure 12. Figure 13. Figure 14. Figure 15. Figure 16. Figure 21. Figure 22. Figure 23. Figure 24. Figure 25. Figure 26. Figure 27. Figure 28. Figure 29. Figure 29a. Figure 210. Figure 210a. Figure 210b. Figure 210c. Figure 211. Figure 212. Figure 213. Figure 214. Figure 215. Figure 216. Figure 217. Figure 218. Figure 219. Figure 220. Figure 221. Figure 222. Figure 223. Figure 224. Figure 225. Figure 226. Figure 227. Figure 228. Figure 229. Figure 230. Figure 231. Figure 232. Figure 233. Figure 234. Figure 235. Figure 236. Figure 237. Figure 238. Figure 239. Figure 240. Figure 241 Diathermy Output Voltage Vs. Figure 241a. Figure 242. Figure 243. Figure 244. Figure 245. Figure 246. Figure 247. Figure 248. Figure 249. Figure 250. Figure 251. Figure 251a. Figure 252. Figure 253. Figure 254. Figure 255. Figure 256. Figure 257. Figure 258. Figure 259. Figure 260. Figure 261. Figure 262. Figure 263. Figure 264. Figure 265. Figure 266. Figure 267. Figure 268. Figure 269. Figure 270. Figure 271. Figure 272. Figure 273. Figure 274. Figure 275. Figure 276. Figure 277. Figure 278. Figure 279. Figure 280. Figure 281. Figure 282. Figure 283. Figure 284. Surgery Screen Fragmentation Mode Momentary Submode..... 2.82. Figure 41. Figure 42. Figure 43. Figure 44. Figure 51. Figure 52. Figure 53. Figure 54 Table 12. Table 13. Table 14. Table 21. Table 61. <http://agendaturvietnam.com/hinhanh/98-neon-manual-transmission-fluid.xml>

- **1.0.**

Recommended Separation Distances Between Portable and Mobile RF The manual presents an organized summary of the operating The information in this manual should be supplemented with reference works on laser theory and the No attempt is made in this manual to answer all the Questions concerning technique, safety and effectiveness should be referred to pertinent publications Physicians should not attempt to treat patients with Please contact Alcon for complete technical support and service if you have questions concerning any To order supplies in U.S.A. Pay close attention to WARNINGS and CAUTIONS in this manual. WARNINGS are written to CAUTIONS are written to protect the instrument from damage. Illustrations contained in this manual are for reference only. It is recommended that maintenance be performed by a qualified Alcon Field Engineer. Alcon Surgical shall not be liable for any damage resulting from failure to comply with the enclosed Alcon reserves the right to change specifications without further notice. Operator Prole. The Constellation Vision System is designed to be operated by two basic groups; surgeons and. The design of the footswitch allows the surgeon to map any function to any switch position, The display screen was designed to mount The design incorporates color coding on A qualified technician must perform a visual inspection of the following components Services. A qualified technician must check ground continuity and both polarities for leakage Values must be recorded, and if they are above the Alcon Technical Services. Use of accessories and cables other than those provided may result in increased Portable and mobile RF Comments or corrections concerning this manual should be addressed to. Alcon. Technical Services Group All rights reserved. No part of this manual may be reproduced, transmitted, or stored in a retrieval The product's capabilities include The graphical operator The operator provides inputs using the touchscreen panel, Figure 11 Height. Width. Depth. Range Accuracy. <http://www.dakmet.com.pl/upload/98-mustang-repair-manual.xml>

Flow Rate. Setpoint Transient Base. Height. Depth Base Repeatability 1. Setpoint Response Time.

Transient Disturbance. Response Time. Flow Range Altitude Temperature. Relative Humidity Width. Depth WEIGHT 5.4 kg 12 pounds. ENVIRONMENTAL The footswitch construction is water tight in ELECTRICAL The footswitch is connected to the console via electrical UT for 25 cycles. UT for 5 sec. Mains power quality should be that of a typical If the uses of UT for 0.5 cycle UT for 5 cycles Power frequency Conducted RF Portable and mobile RF communications equipment Radiated RF Recommended separation distance Field strength from fixed RF transmitters, as Interference may occur in the vicinity of Note. Note 1. Note 2. UT is the a.c. mains voltage prior to application of the test level. At 80 MHz and 800 MHz, the higher frequency range applies. These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from FM radio broadcast, and TV broadcast cannot be predicted theoretically with accuracy. To access the electromagnetic environment If the measured field strength in the location in. System should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, Recommended Separation Distances Between Portable and Mobile RF Communications Separation distance according to frequency of transmitter Rated maximum output Note 1 At 80 MHz and 800 MHz, the separation distance for the higher frequency range applies. Note 2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from Operation is subject to the Caution. Change or modifications made to this equipment not expressly approved by Alcon FCC Radiation Exposure Statement. Caution. To ensure that the radio transmitter complies with current FCC regulations limiting This device complies with Industry Canada Radio Standards Specification RSS210.

Operation is subject to the following two conditions This ISM device complies with Canadian ICES001. Cet appareil ISM est conforme à la norme NMB001 du Canada. Antenna Notices. This device has been designed to operate with the antenna having a maximum gain of To reduce potential radio interference to other users, the antenna type and its gain Exposure of Humans to RF Fields. This device complies with the RF exposure limits for humans as called out in RSS102. The radio equipment is intended to be used in all EU and AFTA countries. Outdoor use. Contact local Authority for procedure to follow. Note Combinations of power levels and antennas resulting in a radiated power For more details on legal combinations of power levels and antennas, contact Alcon. Compliance. Equipment contains radio transmitters. Wireless LAN device WiFi Australia and New Zealand Please contact Alcon for instrument setup and in-service training. If you have any questions or require additional information, please contact your local Alcon representative or the Technical Services Department. For locations outside the The cart should Extension of the power cord Unauthorized extension of the power cord Presurgical Setup Instructions. Presurgical setup instructions must be performed as outlined in this manual. If an If a problem persists, DO NOT PROCEED. Contact your local Alcon Surgical. Service Representative. NOTE If an inconsistency exists between the setup instructions in this manual and Vitreous Probes. Do not operate vitreous probes in air. This could result in performance degradation Ultrasonic Handpieces. Power loss may occur if handpiece tip is not securely tightened into Fragmentation Allow the system to cool If proper cleaning procedures are not performed immediately after each surgical Remove all debris prior to autoclaving handpiece. Use of the Fragmentation handpiece in the absence of aspiration flow can cause Handpiece Tips.

Scissors, frag, and phaco handpiece tips must be fully tightened to their handpieces. If Ensure, however, that Use only Alcon supplied To ensure safe operation of the Diathermy function, use only Alcon cables and Surgical components or Alcon endorsed components. Cables should always be See Figures 14 through 16 for diathermy power specifications. If electrosurgery is used on patients with implanted Please check with the pacemaker Failure of the HF surgical equipment diathermy circuitry could result in an Listed below are general precautions to be followed when using the Diathermy function Diathermy performance Illuminator Function Two front panel sockets accept AC MI To gain

access for bulb replacement or servicing, follow directions in section four of Never handle a bulb until it has Do not touch bulb directly The bulb of the xenon lamp is under constant high pressure. There is a risk it may Protective measures Footswitch. Never pick up or move the footswitch by holding the cable. Damage may result. Cassette. During initialization the drain pump is rotated to the home position; therefore, keep Drain bag volume should not exceed 500cc "Max. Capacity." Exceeding this Consumables. Do not use consumable paks beyond the expiration date stamped on the outer Manual for Hospitals, 1982; they are intended for single use only. Improper usage Use of consumables other than Alcon In all cases, the instrument setup instructions contained in this manual, and all label Ensure that tubing is not occluded during any phase of operation. Consumable Paks. If any item in a consumable pak is received in a defective condition, Alcon is to be Do not use any of the contents if the sterile package is damaged Paks are identified by lot number that provides Phone Alcon Customer Service At Alcon. Attn Product Complaints Fort Worth, TX 761342099. Diathermy, Cautery, Coagulation. In the past, some of Alcon's products have referred to the feature "Cautery" or Current passes between these electrodes, halting bleeding.

<http://czcomunicacion.com/images/canon-eos-5000-manual-pdf.pdf>

Operators experiencing problems with the system should refer to the Operating. Instructions and Troubleshooting sections of this manual. A problem which persists For optimum performance, it is the user's responsibility to schedule preventive Field Service Engineers are trained and equipped to provide the highest quality of Safety performance should be verified by the user e.g., qualified service personnel Ground resistance must be under 0.1 ohms. Leakage current. To avoid unnecessary shipping, please contact your Alcon Technical Services. Department prior to the return of any system or accessories. If return of the equipment Alcon Laboratories, Inc. Technical Services Department Irvine, California 926183818 Alcon Laboratories shall not be obligated to provide services under this warranty for The express warranty above is the sole warranty obligation of Alcon, and the There are no other Alcon shall have no liability whatsoever for any incidental or consequential damages Use of disposables and handpieces other than those PDF Version 1.4. Linearized No. Create Date 20060329 073158Z. Creator Adobe InDesign CS 3.0.1. Producer Adobe PDF Library 6.0. Modify Date 20080324 1121290700. Trapped False. About uuidcfe646ddea3011dcb7100003933e69a0. Creation Date 20060329 073158Z. Mod Date 20080324 1121290700. Creator Tool Adobe InDesign CS 3.0.1. Metadata Date 20080324 1121290700. Rendition Class proofpdf. Document ID adobedocidindd6f862a62c08811dab0cf836282a3a012. Instance ID uuid2ee4752d06cb457e8d5e58bb0bfd4b57. Title NGVS Book 1.indb. Page Count 32. Has XFA No. See the last page of this section for Important Safety Information about these products. STERILE UV Absorbing PMMA Single Piece Posterior Chamber Lenses 7 Pages Prices are indicative only and may vary by country, with changes to the cost of raw materials and exchange rates. The manual presents an organized summary of the operating principles, main components, safety features, and instructions for care and use of the instrument.

<http://cydistribution.com/images/canon-eos-500n-manual-download.pdf>

The information in this manual should be supplemented with reference works on laser theory and the interaction of laser energy with biologic tissues. No attempt is made in this manual to answer all the questions that arise during the use of the instrument in medical procedures. Questions concerning technique, safety and effectiveness should be referred to pertinent publications or recognized medical experts in laser surgery. Physicians should not attempt to treat patients with this instrument if not thoroughly familiar with its operation, or if in doubt as to its safe operation. All personnel authorized to use this instrument should be required to be thoroughly familiar with this manual. Please contact Alcon for complete technical support and service if you have questions concerning any aspect of this instruments operation or if it fails to perform satisfactorily. To order supplies in U.S.A. 8008625266 F AX 8002410677 Outside U.S.A. Contact your local Alcon

representative for supplies. Pay close attention to WARNINGS and CAUTIONS in this manual. WARNINGS are written to protect individuals from bodily harm. CAUTIONS are written to protect the instrument from damage. Alcon Surgical shall not be liable for any damage resulting from failure to comply with the enclosed instructions. Alcon reserves the right to change specifications without further notice. The surgeon focus is primarily constrained to the footswitch and display panel. The design of the footswitch allows the surgeon to map any function to any switch position, assuming the function is valid in a particular scenario. The display screen was designed to mount on an articulating arm to allow optimum placement of the display so the surgeon can reference it at any time. The design also incorporated items specifically for nurses and scrub techs, who routinely control the machine via the front panel and remote control.

The design incorporates color coding on all connectors and tubing to facilitate easy identification of the ports. In addition, the graphical user interface closely resembles controls commonly found on web sites, which this operator profile is expected to be highly proficient at using. CAUTION U.S. Federal Law restricts this device to sale by or on the order of a physician only. WARNINGS! For systems containing the optional laser module Use of controls or adjustments, or performance of procedures other than those specified herein may result in hazardous laser radiation exposure. A qualified technician must perform a visual inspection of the following components every twelve months. Values must be recorded, and if they are above the applicable standard, or 50% above your first measurement, do not use the system; call Alcon Technical Services. Use of accessories and cables other than those provided may result in increased emissions or decreased immunity of the system. Portable and mobile RF communications equipment can affect this medical electrical equipment. No part of this manual may be reproduced, transmitted, or stored in a retrieval system, in any form or by any means; photocopying, electronic, mechanical, recording, or otherwise; without prior written permission from Alcon Laboratories, Inc. The product's capabilities include driving a variety of handpieces that provide the ability to cut vitreous and tissues, emulsify the lens, illuminate the posterior segment of the eye, and apply diathermy to stop bleeding. Vacuum is used to remove ocular matter from the eye and is provided by connecting tubing from the handpiece to a port on the fluidics cassette. The graphical operator interface is menu driven. The operator provides inputs using the touchscreen panel, the remote control, voice commands, and the footswitch. Centimeters of water. Cuts Per Minute. A discrete footpedal position at which more force is required to depress the footpedal to the next position.

The production of heat in body tissues by electric current for therapeutic purposes. To center attention by video reversing the function key and changing the key color from gray to blue. International Electromechanical Commission. International Standards Organization. Intravenous. Liquid Crystal Display. Millimeter of Mercury. A unit of vacuum. Not Applicable. Patient Eye Level. A difference in height between the cassette and the patient eye level. Personal Identification Number. Pressure per Square Inch. A unit of pressure. Pulses Per Second. Standard Liters Per Minute. Ultrasound. Viscous Fluid Control. Vitrectomy. Extraction of the vitreous from the vitreous cavity. Table 12 Terms and Abbreviations. LASER 532 nm 2W CW DIODE LASER 635nm 1mW CLASS 4 LASER PRODUCT IEC 60601222 1995 RA YONNEMENT LASER EXPOSITION DANGEREUSE DE LOEIL OU DE LA PEAU AU RA YONNEMENT DIRECT OU DIFFUS APPAREIL A LASER DE CLASSE 4 LASER RADIATION A VOID EYE OR SKIN EXPOSURE TO DIRECT OR SCATTERED RADIATION CLASS 4 LASER PRODUCT Laser 532nm 2W DIODE LASER 635nm 1mW RISQUE D'EXPOSITION SI UTILISATION EN PRESENCE D'ANESTHETIQUE INFLAMMABLE POSSIBLE EXPOSITION HAZARDEUSE D'UTILISATION EN LA PRESENCE D'UN ESTHETIC DANGER USE OF THIS LASER WITHOUT A SAFETY FILTER MAY RESULT IN DAMAGE TO THE OPERATOR'S EYES USAGE DE CE LASER SANS FILTRE MEDECIN PEUT ENDOMAGER LES YEUX DE L'UTILISATEUR WARNING Visible laser radiation. A void eye or skin exposure to direct or scattered radiation. Class IV laser product Labels for gas containers. The system operates automatically with

pressures of 58 4 bar to 120 psi 8.3 bar. Between 4 bar and 5 bar, vacuum performance is reduced. Between 4 bar and 5.5 bar, VFC inject performance is reduced. Accessory equipment connected to or used with this equipment must be certified according to the respective IEC Standard e.g., IEC 60950 for data processing equipment, and IEC 606011 for medical equipment.

Anyone connecting additional equipment or otherwise causing a different system con. Disconnecting the power cord, or turning the system off using the rear panel power switch, is considered a loss of power; using the rear panel standby switch is not. **WARNINGS!** Laser There are potential hazards when inserting, steeply bending, or improperly securing the fiberoptic. Since the aiming beam passes down the same delivery system as the treatment beam, it provides a good method of checking the integrity of the delivery system. If the aiming beam spot is not present at the distal end of the delivery system, or its intensity is reduced or it looks diffused, this a possible indication of a damaged or not properly working delivery system. If there is any doubt, contact Alcon Technical Services. The use of flammable anesthetics or oxidizing gases such as nitrous oxide N₂O and oxygen should be avoided. Some materials for example cotton wool when saturated with oxygen may be ignited by the high temperatures produced in normal use of the laser equipment. The solvents of adhesives and flammable solutions used for cleaning and disinfecting should be allowed to evaporate before the laser equipment is used. There is also danger of ignition of endogenous gases. **User Information Environmental Considerations** The equipment that you have purchased requires the use of natural resources for its production. This equipment may also contain hazardous substances which could have potential effect on the environment and human health if disposed of improperly. In order to avoid the entry of any such substances into our environment and to promote natural resource conservation, we encourage you to use the appropriate take back systems. Such takeback systems reuse or recycle many of the materials in your endoflife equipment in a beneficial way. Please contact your local Alcon office for assistance in takeback options through Alcon or other providers.

The crossedbin symbol located on this equipment reminds you to use takeback systems, while also emphasizing the requirement to collect waste equipment separately, and not dispose of it as unsorted municipal waste. If you need more information on the collection, reuse or recycle systems available to you, please contact your local or regional waste administration, or contact your local Alcon office for more information. **EMC Statement** It is important to install and use the equipment in accordance with the instructions in order to prevent harmful interference with other devices in the vicinity. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment. The EMC Statement provides guidance on steps to take in case of electromagnetic interference. Do not use around doors that are covered with synthetic material to avoid laser stoppage due to ESD. Field strength from fixed RF transmitters, as determined by an electromagnetic site survey a, should be less than the compliance level in each frequency range b. Interference may occur in the vicinity of equipment marked with following symbol. Note U T is the a.c. mains voltage prior to application of the test level. Note 1 At 80 MHz and 800 MHz, the higher frequency range applies. Note 2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects, and people. To access the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. Note 1 At 80 MHz and 800 MHz, the separation distance for the higher frequency range applies. Electromagnetic propagation is affected by absorption and reflection from structures, objects, and people. Operation is subject to the following two conditions This device may not cause harmful interference. This device must accept any interference received, including interference that may cause undesired operation.

Caution Change or modifications made to this equipment not expressly approved by Alcon may void the FCC authorization to operate this equipment. **FCC Radiation Exposure Statement Caution** To

ensure that the radio transmitter complies with current FCC regulations limiting both maximum output RF power and human exposure to radio frequency radiation, a separate distance of at least 20 cm must be maintained between the unit's antenna and the body of the user and any nearby persons at all times, and unit's antenna must not be colocated or operating in conjunction with any other antenna or transmitter. Operation is subject to the following two conditions This device may not cause harmful interference This device must accept any interference, including interference that may cause undesired operation of the device. This ISM device complies with Canadian ICES001.

Antenna Notices This device has been designed to operate with the antenna having a maximum gain of 5 dBi. Antenna having a gain greater than 5 dBi is strictly prohibited for use with this device. The required antenna impedance is 50 ohms. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power EIRP is not more than that required for successful communication. Exposure of Humans to RF Fields This device complies with the RF exposure limits for humans as called out in RSS 102. 1. 2. 1. 2. Caution The radio equipment is intended to be used in all EU and AFTA countries. For more details on legal combinations of power levels and antennas, contact Alcon Compliance. If you have any questions or require additional information, please contact your local Alcon representative or the Technical Services Department. The cart should be pulled, not pushed, over elevator and door thresholds. Extension of the power cord by hospital staff is not recommended. Unauthorized extension of the power cord could result in injury.

Presurgical Setup Instructions Presurgical setup instructions must be performed as outlined in this manual.