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## Book Descriptions:

# braun outlook 100 infusion pump service manual

Sign in Forgot Password. My Bench Close Sign In Not A Member. Sign Up Join MedWrench OK name type Receive Summary Emails. The Outlook Safety Infusion System helps to ensure that the right patient receives the right medication in the right dose from an authorized clinician at pointofcare. The Outlook 100 incorporates dose limits to help reduce human errors in medication administration. FORUMS View All 30 Ask a New Question 1 Reply Ccortez a year ago a year ago Electrical schematics Does anyone know where to find the schematic for this device. Reply 0 Replies Stan Skaggs 3 years ago 3 years ago PM notes to keep in mind Batteries in this unit are NiCD alarm batteries which I found always are dead. The petal covers wear thin and have to be replaced annually for me every other PM cycle. I check the gaps with the gap tool and found not likely to be off, but best to check the gap. I hate changing the alarm batteries and grimace when I pull one out because it has nine leads that all have to be unsoldered on tiny pads through the board. Why did they use NiCD batteries for goodness sakes. The green boards are easier than the blue ones to PM and change batteries with. By continuing to browse the site you are agreeing to our use of cookies. Please review our Privacy Policy for more details. All Rights Reserved. Sign Up Join MedWrench OK name type Receive Summary Emails. Let me know your problem is and maybe I can help. Ill get them scanned and send. I need an address and weel post on Med Wrenck. Ill do what I can. The post states it will be posted on the on Med Wrench but I dont see it. Thanks. Report Post JHernandez Thu Feb 18 2016 Reply from JHernandez Report Post MedecoCBET Wed Jun 08 2016 Reply from MedecoCBET Report Post MedWrench MM Wed Jun 08 2016 Reply from MedWrench MM By continuing to browse the site you are agreeing to our use of cookies. Blood warmer see the Fluid Warmer section. [http://giorgimpianti.com/userfiles/craftsman-6\\_75hp-lawn-mower-repair-manual.xml](http://giorgimpianti.com/userfiles/craftsman-6_75hp-lawn-mower-repair-manual.xml)

- **braun outlook 100 infusion pump service manual.**

Infusion pumps of Alaris, Imed and CardinalHealth might be identical as well as BME and CME. Support is not desired. Argus 200 Support is not desired. Argus 414 Support is not desired. Argus 414 D Support is not desired. Argus 600 Support is not desired. Argus 600 D Support is not desired. Argus 600 S Support is not desired. Argus 707 Support is not desired. Argus 707 V Support is not desired. Argus 708 Support is not desired. Argus Dockingstation 60 M 100 M Support is not desired. Argus Dockingstation Quick 100 Support is not desired. B.Braun Horizon Nxt Support is not desired. Deltec CADD Prizm Support is not desired. Deltec CADDPrizm 6101 Support is not desired. Doltron PIM717 Support is not desired. Graesby 3000 Support is not desired. Graesby 3100 Support is not desired. Graesby 3200 Support is not desired. Graesby 3300 Support is not desired. Graesby 3300 Support is not desired. Graesby 3400 Support is not desired. Graesby 3400 Support is not desired. Graesby 3500 Support is not desired. Graesby 3500 Support is not desired. Graesby M526 Support is not desired. Graesby MS 16 A Support is not desired. Graesby Omnifuse Support is not desired. Hospira LifeCare 5000 Plum Support is not desired. Medfusion 2001, 2010 Support is not desired. Smith Medfusion 3000 Support is not desired. Stihler Astotherm AP200260. Bank Loan vs. Cash All shipments are packed securely. Please note that for international sales we only accept a bank wire transfer to our account. We are proud to state that our repeat customers are our best references and are available upon request. Submit a request and well email you a quote! Please provide some content! It is essential for Quite often, the issue can This increasing demand has led to Refurbished Infusion Pumps at up to 80% off. DiaMedical USA Provides quality medical equipment from all manufacturers at affordable costs. Refurbished Infusion Pumps at up to 80% off. Any additional charges require advanced customer

approval. [http://www.mfcwestenkwartier.nl/beta/userfiles/craftsman-6\\_75-torque-rating-22-in\\_-high-wheel-trimmer-owners-manual.xml](http://www.mfcwestenkwartier.nl/beta/userfiles/craftsman-6_75-torque-rating-22-in_-high-wheel-trimmer-owners-manual.xml)

Any additional charges require advanced customer approval. It will not cover any damage caused by abuse or neglect i.e. cosmetic damage. Customer will cover all shipping of equipment to and from repair depot. DoseScan allows hospitals to Prevent tampering by initiating infusions by authorized personnel only Promote integrated safety by assigning dose limits to scanned drugs Provide enhanced patient and clinician safety using drug-specific clinician ID scans for Dose limit overrides Bolus deliveries Critical medications dual clinician scans. Continued use of our website without having changed your browser settings confirms your acceptance of these cookies. For details please see our Benefits include For product usage, please refer to B. Braun product labeling. IV Therapy Volumetric These pumps are used when the accuracy of fluid volume to be infused is critical such as in the case of medications used for infusion of drugs for circulatory support. Volumetric pumps can be single or multi channel. Both types allow for the administration of more than one fluid at a time. We offer a wide variety of repairs on different types of medical equipment including infusion pumps, syringe pumps, feeding pumps, defibrillators, pulse oximeters, patient monitors, scd pumps, and transport and portable ventilators. We also specialize in the buying, selling, renting or leasing of surplus medical equipment. Website By American Creative. Cart and checkout shipping costs for multiple orders reflect combined weight shipping. Cost is for shipping by UPS Ground in the US and Puerto Rico. Other countries postal codes will result in an error or miscalculation. The Outlook 100 is a logical choice for hospitals of any size who need a safe, reliable and easy to use infusion pump. Savings of new items are based on MSRP. For expedited shipping or shipping discounts for large quantity orders please call or email for quote.

International Orders For countries other than the United States, please call or email to set up your shipping rates. Customers Shipping Accounts If you would like us to use your shipping account please contact us. Orders usually ship within 27 business days. Should there be any delays in your order you will be notified with an updated shipping period. Due to continuing product innovations, specifications and packaging are subject to change without notice. Images are representative of the item and may contain options not included. Trademarks are property of their respective owners. The B Braun Outlook 100es Infusion Pump is a LVP Large Volume Pump has a customizable drug library that allows you to configure the pump to match your clinical practice. Press Here for B Braun Parts OEM Numbers 621100ES. The system features a large color display and extensive customizable drug library that allows you to configure the pump to match your clinical practice. The B Braun Outlook doesn't take much space because they can be stacked on top of each other. Overall this pump is a great choice for your facility's infusion needs. It is generally used intravenously, although subcutaneous, arterial and epidural infusions are occasionally used. For example, they can administer as little as 0.1 mL per hour injections too small for a drip, injections every minute, injections with repeated boluses requested by the patient, up to maximum number per hour e.g. in patient-controlled analgesia, or fluids whose volumes vary by the time of day. For details please see our Alarm frequency was also quantified by alarm type, type of infusion and day of week. The Medical Center implemented B. Braun smart pumps with patient ID scan and EMR integration capacity, along with DoseTrac realtime monitoring of infusions from nurses stations and pharmacy, weekly audits, and analytic services to optimize compliance and improve practice.

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This low correction rate indicates a low incidence of programming error associated with single channel pumps with nonnumeric keypads. Alert analysis with drug library adjustments and education has helped hospitals achieve up to 99% reduction in alerts, up to 100% drug library use, and a significant reduction in infusion related medication errors. Overall alerts continued to decrease as total infusions increased, from 2.74% of infusions to only 0.75% of infusions in 9 months

in 2014 with a very low programming error rate of 0.05%. Alerts on key medications decreased 22 97% by the end of 2014. Alerts were reduced 70% overall in 2013, and an additional 58% in 2014 across the 4 hospitals. Presentation at the American Association of CriticalCare Nurse National Teaching Institute, Denver, CO. Poster Presentation at the FACTSCare CardiovascularThoracic Critical Care Annual Conference, Washington, D.C., 2013. Six month data analysis identified interventions to reduce alerts and resulted in 4588% alert reduction across 5 targeted infusions. Poster Presentation at the FACTSCare CardiovascularThoracic Critical Care Annual Conference, Washington, D.C., 2013. Achieved 100% drug library utilization in Critical Care and significant reduction in alerts through dosing limit modifications, education and weekly DoseTrac reports. Presentation at the American Association of CriticalCare Nurse National Teaching Institute, Boston, MA, 2013. Outcomes included 100% compliance across 4 drug library metrics and 7 ADEs averted in first 3 months of implementation. presentation. Presentation at the American Association of CriticalCare Nurse National Teaching Institute, Boston, MA, 2013. Other outcomes included 100% compliance with dose mode drug library, 100% weightbased ordering practice, 0 alerts with heparin or insulin and low incidence of programming errors 0.5%. Presentation at the American Organization of Nurse Executives 42nd Annual Conference, San Antonio, TX, 2009.

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The complete bibliographic information, a link to the original publication on, as well as this copyright and license information must be included. Abstract Background The variety of alarms from all types of medical devices has increased from 6 to 40 in the last three decades, with today's most critically ill patients experiencing as many as 45 alarms per hour. Alarm fatigue has been identified as a critical safety issue for clinical staff that can lead to potentially dangerous delays or nonresponse to actionable alarms, resulting in serious patient injury and death. To date, most research on medical device alarms has focused on the nonactionable alarms of physiological monitoring devices. While there have been some reports in the literature related to drug library alerts during the infusion pump programming sequence, research related to the types and frequencies of actionable infusion pump alarms remains largely unexplored. Objective The objectives of this study protocol are to establish baseline data related to the types and frequency of infusion pump alarms from the B. Braun Outlook 400ES Safety Infusion System with the accompanying DoseTrac Infusion Management Software. Methods The most recent consecutive 60day period of backup hospital data received between April 2014 and February 2017 from 32 United Statesbased hospitals will be selected for analysis. Microsoft SQL Server 2012 11.0.5343.0 X64 will be used to manage the data with unique code written to sort data and perform descriptive analyses. A validated data management methodology will be utilized to clean and analyze the data. Data management procedures will include blinding, cleaning, and review of existing infusion data within the DoseTrac Infusion Management Software databases at each hospital. Patientidentifying data will be removed prior to merging into a dedicated and secure data repository. This pooled data will then be analyzed.

Results This exploratory study will analyze the aggregate alarm data for each hospital by care area, drug infused, time of day, and day of week, including overall infusion pump alarm frequency number of alarms per active infusion, duration of alarms average, range, median, and type and frequency of alarms distributed by care area. Conclusions Infusion pump alarm data collected and analyzed in this study will be used to help establish a baseline of infusion pump alarm types and relative frequencies. Medical devices emitting these alarms include, but are not limited to, physiological monitors, ventilators, pulse oximetry machines, and infusion pumps. This desensitization, commonly described as alarm fatigue, is an increasingly critical safety issue that can lead to potentially dangerous delays or nonresponse to actionable alarms, which require clinical staff intervention to resolve. In an effort to reduce patient risk associated with alarm fatigue, alarm management has become a priority issue for national guidance organizations, including The Joint Commission, the Food and Drug Administration, the Association for Advancement in Medical Instrumentation, Emergency Care Research Institute ECRI, and the American College of Clinical Engineering Healthcare Technology Foundation. The current evidence related to the incidence of nonactionable and actionable medical device alarms and their associated impact on the desensitization of clinical staff is limited. The recommendations to reduce the nonactionable alarms of physiologic, ECG, and pulse oximetry monitors are not applicable to infusion pumps. Most infusion pump alarms are actionable; that is, they continually alarm until addressed by clinical staff. Before making recommendations to decrease or modify what are believed to be mostly actionable alarms, understanding the incidences and characteristics of infusion pump alarms is necessary.

**Objectives** The primary objective of this study is to establish baseline data related to the types and frequency of infusion pump alarms from the B. Braun Outlook 400ES Safety Infusion System with DoseTrac Infusion Management Software. The DoseTrac application resides on each hospital's server, and holds up to 18 months of data, with the ability to automatically backup unlimited amounts of data in a separate file. We will utilize backup copies of this data previously obtained for analytic services and the most recent consecutive 60day period will be selected for analysis and summarized using descriptive statistics. This pump's system can customize up to 300 drugs and 15 care areas. The system provides for 2way wireless communication allowing inbound receipt of drug library files and patientspecific infusion orders, along with outbound transmission of infusion data. The pump also includes a software application which collects, displays, and stores infusion data. The management and analysis of these data allows clinicians to continuously improve the quality and safety of intravenous IV infusion protocols. This software application consists of 3 components A real time infusion data collection service. A database that stores up to 18 months of accumulated infusion data so that it can be displayed or reported in a useful way. A Web application with Realtime remote views of active infusion pump status that is automatically updated every 5 seconds. Retrospective reports on various infusion metrics. Infusion data is automatically transmitted wirelessly from the pump across the hospital's secured wireless network and collected by the application for availability to both end users and other hospital information management systems. Authorized users can access the Web application from their secure hospital network computer by using the hospital's browser technology and entering their username and password.

The database holds up to 18 months of data and has the ability for each hospital to automatically backup data on a daily basis. Study Procedures Participating hospitals transferred a database copy containing up to 18 months of infusion pump data to the investigator April 2014 to February 2017 for periodic analytic services. Data was imported and sent via secure file transfer protocol SFTP to a secure central server protected by firewalls that are Health Insurance Portability and Accountability Act HIPAA deidentified as necessary, and merged with a dedicated, secure data repository. A subset of these data containing a consecutive 60day timeframe ie, same quantity of days for each hospital will be used in the statistical analyses. The infusion pump has 11 types of alarms. A listing of alarms, associated causes, and effects can be found in Table 1. All of the alarms produce an audible sound and visual signal on the pump screen indicating the type of alarm. Most of the alarms will stop the infusion or prevent it from being initiated until the alarm condition is resolved by the clinician. Table 1 Infusion pump alarm types, associated causes, and effects. If reboot power cycle does not resolve, then user must send the pump to biomedical engineering for service Upstream Occlusion IV line is occluded above the pump eg, upper roller clamp closed or tubing kinked Pump infusion stops and alarms until user resolves Open in a separate window Inclusion criteria Hospitals that use one particular model pump B. Braun Outlook 400ES Safety Infusion System with the accompanying infusion management software DoseTrac and have agreed to the terms of a signed data licensing agreement, which allows the investigator access to infusion management software database data. Pumps and infusion management software database data alarm records must include complete and consistent data elements to be included in the analysis.

A complete alarm record will include all matching and consistent data elements from alarm start to alarm silence. Exclusion criteria Alarm records with potentially missing data resulting in incomplete records will be excluded. Alarm records associated with duplicate infusion pump serial numbers of "0" will be excluded from analyses. Infusion pump serial numbers can revert to "0" after major biomedical repairs. If the original pump serial number is not reentered, a hospital might have multiple pumps with a "0" serial number. Data Collection Each hospital periodically copies and transfers a backup of software database data containing up to 18 months of data via SFTP to a central server for requested analytic services. Patient Personal Health Information is deidentified prior to inclusion into a secure data repository. The database is backedup daily for both local and

offsite storage. Since hospital alarm data are not currently preassembled into a standardized interface report on this version of software, it will be necessary to collate and assemble the data in a meaningful way, using a data assembly tool. Collating data across multiple hospitals and running queries on that data entails intricate manipulation of enormous amounts of complex data. Microsoft SQL Server 2012 11.0.5343.0 X64, a database that supports a mix of transaction processing, data warehousing, and analytics applications, will be used to help manage the data. Unique code will be written to sort the data to complete the descriptive analyses percent, mean, median, mode, range, and frequencies, as appropriate. In addition, anticipating that there might be clinically nonsignificant alarm data in the database, a data cleaning process has been developed and tested to detect, diagnose, and edit out clinically nonsignificant data. Pump data are complex and potentially contain data falling within certain preidentified data exclusions.

Only data that does not fall within the exclusion principles will be included in the analysis. Additionally, elements of the software management database data need to be combined to ensure capture of the particular information needed to answer our research questions. Individual hospital names will be visible only to investigators, as this is relevant to collating and comparing hospital metrics eg, census, staffed beds, case mix index, but will not be published. Data elements that will be analyzed from the software management database. KVO Keep Vein Open. Specific findings will be reported using the aggregate data for each hospital by care area, drug infused, time of day, and day of week, including overall infusion pump alarm frequency number of alarms per active infusion, duration of alarms average, range, median, and type of alarms that occur in each hospital percent breakdown of each type of alarm for each hospital. All data will be summarized and displayed in tables using descriptive statistics including mean, standard deviation, median, minimum, and maximum. Oneway analyses of variance ANOVAs will be used to determine any statistically significant differences between the hospitals, care areas, drugs, time of day, and day of week. Level of significance will be set at P Microsoft SQL Server 2012 11.0.5343.0 X64, a database designed to support a mix of transaction processing, data warehousing, and analytics applications, will be used to manage the data and unique code will be written to collate and assemble the data to complete descriptive analyses. Specific applicable files will be transferred to Statistical Package for the Social Sciences Statistics version 22 IBMSPSS Inc, Armonk, NY to complete the significance testing. Ethical Considerations This study will be conducted in full accordance with all applicable Federal and State laws and regulations, including 45 CFR 46 and the HIPAA Privacy Rule.

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