

Implementation

Based on the length of cases, the daily workload, and the uniqueness of the individual OR units, implementation varied slightly between the two divisions. At the Henderson, implementation of the flowsheet was introduced gradually. The flowsheet was introduced over an eight week period beginning in the services with the longest cases. Long procedures were selected to give staff time to familiarize themselves with the flowsheet. By the end of the eight weeks, staff had no difficulty documenting for even the very short cases. The Hamilton General implemented the use of the flowsheet in all services over a two week period. This method was selected because of the longer average duration of the procedures in the Hamilton General Operating Rooms.

The implementation process was not without its difficulties for the disciplines affected by the change - nursing, anaesthesia and surgery. After much discussion, it became apparent that the choice of wording in some of the nursing diagnoses caused anxiety. As a result, a meeting was organized with representation from Administration, the Documentation Committee, Anaesthesia and Surgery to identify and resolve concerns. The hospital lawyer attended this meeting to provide guidance on issues of liability. The final wording on the flowsheet reflected the needs of nursing, and was sensitive to the medical-legal implication of documentation for all disciplines. This reinforced the need to communicate to all disciplines affected.

As anticipated, there was a period of adjustment that did contribute to delays in the room, apprehension, and insecurities with the documentation. However, through continual reinforcement of the nurses' right to document the nursing care, these issues were overcome.

Case Study

The following case study illustrates the flowsheet documentation process:

Jane Doe is a forty-five year old female scheduled for a laparoscopic cholecystectomy. Her right wrist is broken and in a cast. Jane does not have any other medical problems.

A week before surgery, Jane Doe visited the Preoperative Clinic. At that time, she expressed a fear of pain related to her surgery and the usual anxiety expressed by most patients regarding surgery and the unknown environment of a hospital. The Preoperative Clinic nurse initiated the Perioperative Flowsheet 1 (see Appendix 1 - Clinic Column) with the following goals to be achieved:

- prevent further injury to right wrist,
- assist Jane to understand the events of her surgical experience,
- provide Jane with support to work through her anxiety, and
- discuss pain management program.

The following nursing diagnoses were developed from the goals identified with the patient in the Preoperative Clinic:

- anxiety related to pain as evidenced by other - verbal statements,
- lack of knowledge related to sequence of events as evidenced by request for information, and
- potential for injury related to deficit as evidenced

by fractured right wrist.

On the day of surgery Jane was admitted to the Preoperative Admission area. She was anxious about her surgery and concerned about further injury to her fractured wrist. The goals and nursing diagnoses identified in her original assessment were re-evaluated and updated as necessary (see Appendix 1 - Preop Column). After Jane was prepared in this area, she was transferred to Patient Receiving in the Operating Room. She arrived crying and accompanied by a friend.

The Patient Reception and Operating Room nurses assessed the patient to determine if the nursing diagnoses and the goals were still active, needed revision, or had been attained. This documentation is on Perioperative Flowsheet 1 (see Appendix 1 - OR Reception Column & OR Column). Pertinent interventions were identified for each nursing diagnosis and required the nurse to initial those that were pertinent to the patient.

The patient walked into the Operating Room suite accompanied by the Operating Room nurse. On admission to the room, Jane stated that she was cold.

A surgical count was done according to hospital policy. A cautery pad was placed on Jane's left thigh.

The following goals were identified in the OR:

- maintain appropriate body temperature,
- count will be correct,
- cautery site will remain free of injury, and
- no further injury to fractured right wrist.

The nursing diagnosis for these goals are:

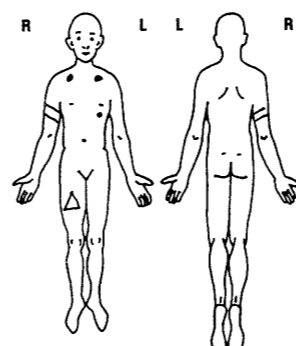
- altered body temperature related to perioperative events and environment, and
- potential for injury related to: positioning, length of surgery, cautery, and count items.

The intraoperative nurse continued with the nursing diagnosis potential for injury related to limita-

Appendix 2 -

- Perioperative Flowsheet #2

NURSING DIAGNOSIS	GOAL ATTAINMENT	EVALUATION	INTERVENTIONS - NURSES NOTES
<p>3b. Potential for injury related to:</p> <p>(I) limitations in range of motion:</p> <p><input checked="" type="checkbox"/> fracture <input checked="" type="checkbox"/> cast <input checked="" type="checkbox"/> paralysis</p> <p>(II) length of surgical intervention.</p> <p>(III) Use of equipment:</p> <p><input checked="" type="checkbox"/> Cautery</p> <p><input type="checkbox"/> Tourniquet</p> <p><input checked="" type="checkbox"/> Count Items</p> <p><input type="checkbox"/> Laser</p> <p><input type="checkbox"/> X-Ray</p> <p><input type="checkbox"/> Image</p> <p><input type="checkbox"/> Other</p>	<p>N (NURSING)</p> <p>M (MUTUAL)</p> <p>No physical injury as evidenced by:</p> <p>Pre-existing range of motion not compromised.</p> <p>Protected areas remained free of injury.</p> <p>Cautery site:</p> <p>skin clear</p> <p>other</p> <p>Skin Condition:</p> <p>as pre-application</p> <p>other</p> <p>count correct</p> <p>Patient and environment remained free of health risk hazards and laser accidents.</p> <p>Maintained minimal exposure to patient.</p>	<p>A = ATTAINED</p> <p>SA = STILL ACTIVE</p> <p>R = REVISED</p> <p>STATUS TIME INITIAL</p> <p>A 0900 JT</p> <p>A 0900 JT</p> <p>A 0900 JT</p> <p>A 0900 JT</p>	<p>(NN) refers to Nurses' Notes</p> <p>NA = Not Applicable</p> <p>POSITIONING</p> <p>pre-op transfer to OR table: <input checked="" type="checkbox"/> self <input type="checkbox"/> assisted <input type="checkbox"/> other</p> <p>post-op transfer from OR table: <input checked="" type="checkbox"/> self <input type="checkbox"/> assisted <input type="checkbox"/> slider <input type="checkbox"/> other</p> <p>SURGICAL POSITION:</p> <p><input type="checkbox"/> prone <input checked="" type="checkbox"/> supine <input type="checkbox"/> lateral <input type="checkbox"/> LT <input type="checkbox"/> RT</p> <p><input type="checkbox"/> lithotomy <input type="checkbox"/> frogleg <input type="checkbox"/> other</p> <p>Intraoperative position changed to:</p> <p>SUPPORTS AND PADDING:</p> <p>stirrups <input type="checkbox"/> bolsters <input type="checkbox"/> beanbag</p> <p>sandbag <input type="checkbox"/> frame table</p> <p>pillows <input type="checkbox"/> rolls <input type="checkbox"/> foams</p> <p>pads <input type="checkbox"/> donut(s)</p> <p>other</p> <p>ulnar nerve protector <input checked="" type="checkbox"/> RT <input checked="" type="checkbox"/> LT</p> <p>SAFETY BELTS / RESTRAINTS:</p> <p>across thighs <input type="checkbox"/> across abdomen</p> <p>across chest <input type="checkbox"/> N/A</p> <p>Arms tucked: <input type="checkbox"/> RT <input type="checkbox"/> LT <input type="checkbox"/> No</p> <p>Armboard: <input type="checkbox"/> RT <input type="checkbox"/> LT</p> <p>EYES PROTECTED: <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Type of Unit: <u>VALLEYLAB</u> Serial # <u>3</u></p> <p><input checked="" type="checkbox"/> Mono Cut <u>35</u> Coag <u>35</u></p> <p><input type="checkbox"/> Bipolar Setting</p> <p>Grounding Pad Site Shaved: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Type of Unit: _____ Serial # _____</p> <p>Applied By: _____</p> <p>Pressure _____ Pressure _____ Cuff size _____</p> <p>On _____ On _____</p> <p>Off _____ Off _____</p> <p>Count According to Policy <input checked="" type="checkbox"/></p> <p>Count Not Done <input type="checkbox"/></p> <p>Laser Protocol followed <input type="checkbox"/></p> <p>X-ray Protocol Followed <input type="checkbox"/></p>
<p>4. Potential <input checked="" type="checkbox"/> altered body temperature related to perioperative events and environment.</p> <p>As evidenced by:</p> <p><input type="checkbox"/> pallor</p> <p><input type="checkbox"/> shivering</p> <p><input checked="" type="checkbox"/> verbal statement</p> <p><input type="checkbox"/> other</p>	<p>M Appropriate patient body temperature maintained.</p>	<p>SA 0900 JT</p>	<p><input checked="" type="checkbox"/> warm blanket <input checked="" type="checkbox"/> warm solution(s) <u>NACL 0.9%</u></p> <p><input type="checkbox"/> Bair Hugger <input type="checkbox"/> cold solution(s)</p> <p>Blanket: <input type="checkbox"/> hypo <input type="checkbox"/> environment temp. altered</p> <p><input type="checkbox"/> hyper <input type="checkbox"/> head covered</p>
<p>5. Potential for infection related to surgical intervention.</p>	<p>N Aseptic technique maintained.</p>	<p>A 0900 JT</p>	<p>Skin condition pre-op: <input checked="" type="checkbox"/> Clear <input type="checkbox"/> other</p> <p>Skin prep: <input checked="" type="checkbox"/> shave <input type="checkbox"/> clip <input type="checkbox"/> scrub</p> <p>Prep solution: <input checked="" type="checkbox"/> Savlon <input checked="" type="checkbox"/> Providone <input type="checkbox"/> Hibitane</p> <p><input type="checkbox"/> other</p> <p>Pacing Wires: <input type="checkbox"/> yes <input type="checkbox"/> N/A</p> <p>CATHETER Size & type: _____ Inserted by: _____ Drainage: _____</p> <p>DRAINS Size / Type Location Collecting Device</p> <p>1 _____</p> <p>2 _____</p> <p>3 _____</p> <p><input type="checkbox"/> sutured <input type="checkbox"/> pinned <input type="checkbox"/> free</p> <p><input type="checkbox"/> stab wound <input type="checkbox"/> incision</p> <p>PLACEMENT / DRESSINGS</p> <p><u>1/2" STERILE STRIPS</u></p>



- BP
- E.C.G. Leads
- Cautery
- Tourniquet
- Other: _____

Correction

to ORNAC's
Recommended Standard #8
"Scrub, Gown, Glove"

Section 8.13 should read:

If a glove becomes contaminated or sustains a pin hole, the glove shall be changed as soon as the situation permits **by one member of the sterile team regloving the other member.** If not possible, **by open glove method.**

Rationale:

Once the original gloves are donned, the gown cuffs are considered contaminated.

Vija Hay
Chairperson, ORNAC
Standards/Education Committee



Purchase the "New"
ORNAC "Recommended Standards
for Perioperative Nursing Practice "

• Professional • Clinical Standards and
• Competencies of an Operating Room
Nurse as established by the Operating Room
Nurses Association of Canada

Cost - \$35 which includes handling.
Cheques or money orders should be made
payable to The Operating Room Nurses
Association of Canada.

Direct your orders and payment to:

Jane McClain
Box 525
Lethbridge, Alberta
T1J 3Z4

The ORNAC Standards are Copyright and should not to
be photocopied or duplicated in any form.

tions in range of motion due to the fractured right wrist. (This documentation is on Perioperative Flowsheet II, see Appendix 2).

The Operating Room nurse acting as the patient's advocate continued to ensure that these goals were met in the interoperative phase. Any goals that were still active were communicated to the PAAR nurse.

Summary

The flowsheet was trialed and assessed by staff. Valuable input for several revisions was received and incorporated into each new version.

The current form is the result of trials and revisions of the original format developed three years ago. The process of developing this type of documentation was an enriching experience for all involved. This Perioperative Flowsheet now reflects the nursing care provided in the Operating Room.

References

- Edel, E. & Johnson, P. (1989). Perioperative documentation: incorporating nursing diagnoses into the intraoperative record. *AORN Journal*, 50(3), 596-600.
- Malen, A. (1986). Perioperative nursing diagnoses: what, why, and how. *AORN Journal*, 44(5), 829, 832, 834.
- Operating Room Nurses Association of Canada (1993). *ORNAC Recommended Standards of Professional & Clinical Practice*.
- Seifert, P. & Grandusky, R. (1990). Nursing diagnoses: their use in developing care plans. *AORN Journal*, 51(4), 1008-1021, 1023-1026.
- Stanfield, V. (1987). Perioperative documentation: Integrating nursing diagnoses on the patient record. *AORN Journal*, 46(4), 699-701, 703-704.

Note:

The complete documentation is available on request. Please send a self-addressed enveloped (and 88¢ postage) to:
Laurel Hopwood-Jones
Hamilton Civic Hospitals
Henderson General Division
Operating Room
711 Concession Street
Hamilton, Ontario
L8V 1C3

OR Booking Policy: Development and Implementation

By Margot Kontak-Forsyth, RN, BSc, BN, MEd & Anne E. Grant, RN, LL.B

Surgical bookings are integral to the optimal functioning of any operating room facility (OR).¹ Ideally, the goals and strategic planning of the organization should be reflected in surgical block scheduling. For example if an institution has identified that it intends to increase outpatient procedures or day surgery, it only follows that an appropriate amount of elective surgical time be allocated to any service or physicians who perform such procedures. Unfortunately this is not always recognized and often the process of booking OR lists is designated as merely a clerical function. In actual fact, bookings are the force that drives the OR. The authors will examine development and maintenance of a policy for this important area, and outline criteria which should be included in an optimal OR booking policy.

There are two general methods of allocating operating room time: block scheduling and open bookings.² Block scheduling utilizes a master schedule which defines the number and types of rooms available, the hours that rooms will be open and the service or surgeons who are allocated the operating time.³

While a master scheduling system has been observed to be potentially more efficient, this is dependent, on whether the scheduled block accurately reflects the actual patterns of usage and whether mechanisms are in place to release unreserved blocks in a timely manner.⁴ For example, if a surgeon has been allocated a weekly block and over three months has demonstrated 70% utilization of this time, it would be appropriate to assess whether to decrease the length of the block. Under the open bookings system, also known as first come first served (FCFS), surgery is allocated to the first physician making the request. While FCFS systems are simple to implement and widely used, it has been observed that this system is associated with high levels of cancellations, low resource utilization, excessive overtime and friction between surgeons.⁵

Whatever type of surgical scheduling system is in use, an OR's bookings determine the surgical operational budget. In other words, the surgical schedule directly impacts staffing, hours of work, and utilization of supplies and equipment. As a key cost centre of any hospital, it is imperative that bookings be run smoothly and consistently. Further, the OR bookings significantly impact many other departments in the hospital including: Radiology, Haematology, House-keeping, Pathology, and Biomedical Engineering to name but a few. Perhaps most significant is the impact of OR surgical block time on the utilization of that

Authors

Margot Kontak-Forsyth RN, BSc, BN, MEd, is the Associate Director of Perioperative Services, Mount Sinai Hospital, Toronto.

Anne E. Grant RN, LL.B, is a registered nurse, a lawyer and a trained mediator. Currently, she functions as a health care legal consultant.

1. Booking policies are utilized in many clinical areas such as endoscopy, cystoscopy, day surgery and out patient clinics. The criteria identified in this article would apply equally to other areas, but for ease of reading, the authors have chosen to refer solely to the operating room.

2. Breslawski, S. & Hamilton, D., Operating Room Scheduling, *AORN Journal*. (1991) 53(5), 1229-1237.

3. Blake, J. T., *Strategic and Administrative Aspects of Advance Surgical Process Scheduling* (1994) Department of Industrial Engineering, University of Toronto (unpublished), at page 11.

4. Blake, supra at page 12.

5. Breslawski, supra.