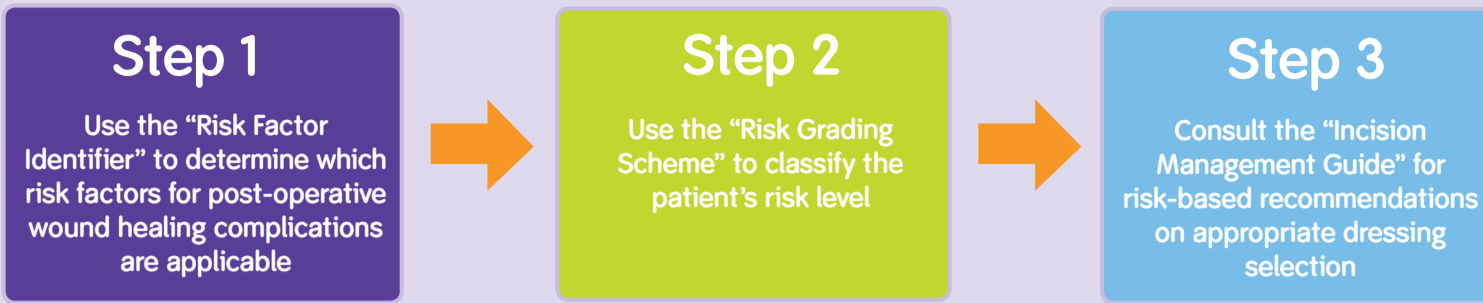


Incision Management: Risk Assessment



Step 1: Risk Factor Identifier

Procedural risk

1. Is the procedure..?	<input type="radio"/> Elective	<input type="radio"/> Emergency ^{1,2}
2. Is the procedure..?	<input type="radio"/> Clean	<input type="radio"/> Clean contaminated ^{2,3} <input type="radio"/> Contaminated ^{2,3} <input type="radio"/> Dirty ^{2,3}

Patient related risk

1. Patient aged 70 or older?	<input type="radio"/> No	<input type="radio"/> Yes ^{2,4,5,6}
2. Underlying medical condition?	<input type="radio"/> No	<input type="radio"/> COPD ^{1,4,5} <input type="radio"/> Anaemia ^{1,4,5} <input type="radio"/> Hyperglycemia ⁴ <input type="radio"/> Diabetes ^{2,4,6} <input type="radio"/> Jaundice ⁵ <input type="radio"/> Cancer ⁴ <input type="radio"/> Alcoholism ² <input type="radio"/> Low serum albumen ^{1,7}
3. Sepsis?	<input type="radio"/> No	<input type="radio"/> Yes ^{4,5}
4. Smoking?	<input type="radio"/> No	<input type="radio"/> Yes ^{2,4,8}
5. Malnutrition?	<input type="radio"/> No	<input type="radio"/> Yes ^{1,4}
6. Adjunctive therapies?	<input type="radio"/> No	<input type="radio"/> Previous chemotherapy ¹ <input type="radio"/> Previous radiotherapy ^{2,4} <input type="radio"/> Corticosteroids ^{2,4,6}
7. Obesity?	<input type="radio"/> BMI <35	<input type="radio"/> BMI >35 ^{4,6}

Surgical considerations

1. Skin prep as per NICE guidelines?	<input type="radio"/> Yes	<input type="radio"/> No ⁹
2. Procedure involves prosthesis?	<input type="radio"/> No	<input type="radio"/> Yes ⁶
3. Procedure involves limb amputation?	<input type="radio"/> No	<input type="radio"/> Yes ¹⁰
4. Prophylactic antibiotics?	<input type="radio"/> Yes	<input type="radio"/> No ^{9,10}
5. Location/type of the surgery	<input type="radio"/> Other	<input type="radio"/> Bile duct ¹¹ <input type="radio"/> Liver ¹¹ <input type="radio"/> Pancreas ¹¹ <input type="radio"/> Gastric ^{2,11} <input type="radio"/> Vascular ¹¹ <input type="radio"/> Bowel ¹¹

Peri-operative risk

1. Hypothermia?	<input type="radio"/> No	<input type="radio"/> Yes ¹²
2. Hypoxia?	<input type="radio"/> No	<input type="radio"/> Yes ⁴

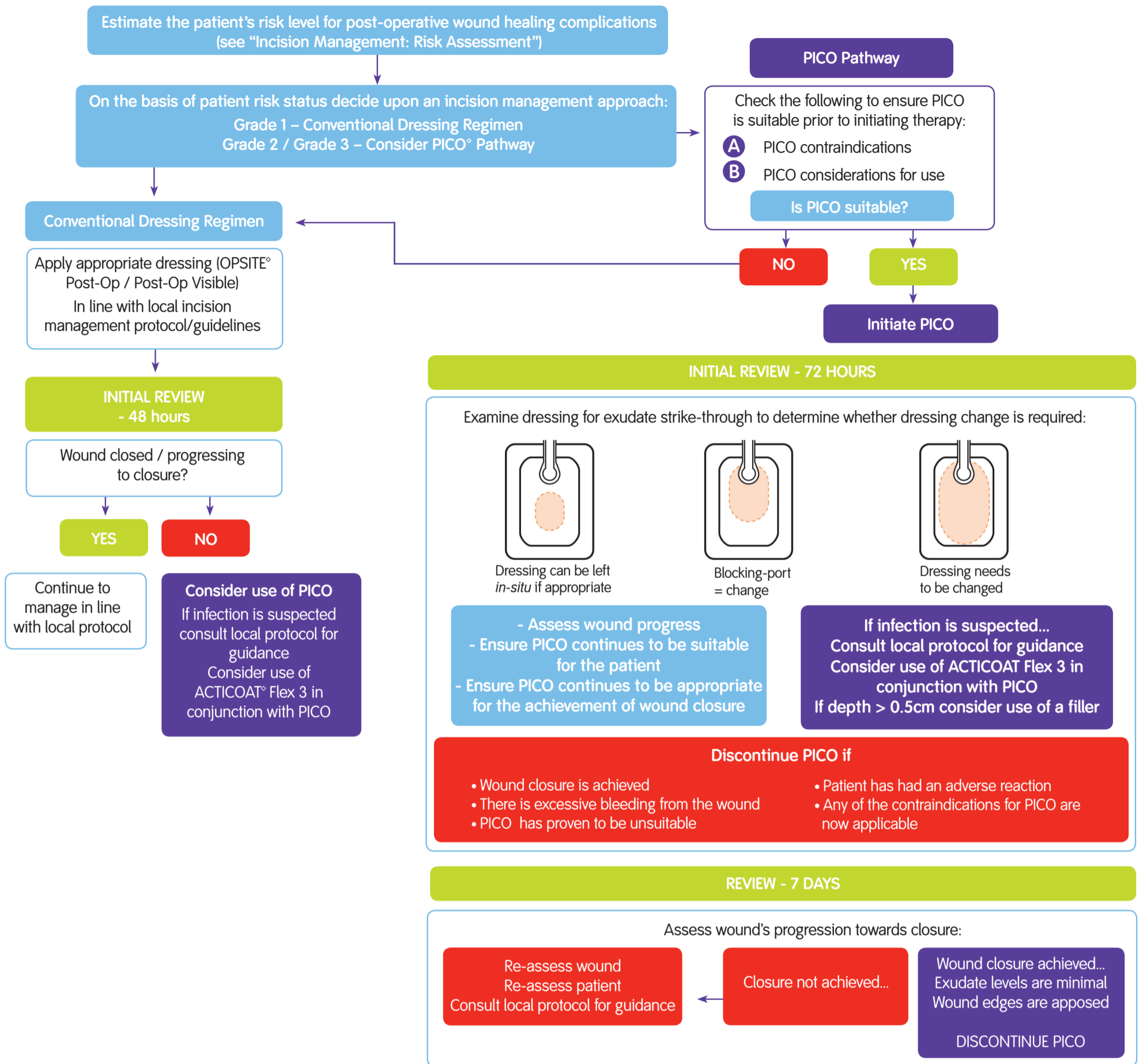
No evidence of increased risk of post-operative wound healing complications

Significantly increases the risk of post-operative wound healing complications

Step 2: Risk Grading Scheme¹³ - Based on the number of risk factors identified allocate a risk status to the patient



Step 3: Incision Management Guide



A PICO contraindications

Do not use PICO if any of the contraindications for PICO use are applicable PICO is contraindicated for:

- Patients with malignancy in the wound bed or margins of the wound (except for palliative care to enhance quality of life)
- Previously confirmed and untreated osteomyelitis
- Non-enteric and unexplored fistulas
- Necrotic tissue with eschar present
- Exposed arteries, veins, blood vessels, nerves or organs
- Anastomotic sites
- Emergency airway aspiration
- Pleural, mediastinal or chest tube drainage
- Surgical suction

B Considerations for PICO use

Patient suitability?

- Is PICO a suitable treatment for the patient being considered?
 - Will the patient be concordant with the therapy?
 - Will the patient remove and/or interfere with the dressing and/or device?
 - Will PICO be acceptable to the patient?

Wound site

- Is the wound location suitable for treatment with PICO?
 - Avoid sites with pins and/or external fixation.
 - Will it be possible to achieve and maintain a seal?
 - Can the port can be located in an area which will minimise the risk of pressure damage?
 - Consider routing of tubing to avoid risks of pressure damage and entanglement
 - Consider proximity of stoma sites
 - Consider application technique over joints

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