

# Linezolid or Vancomycin Surgical Site Infection Prophylaxis

NCT05571722

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<b>Status</b>	RECRUITING
<b>Phase</b>	Phase 4
<b>Sponsor</b>	Assistance Publique Hopitaux De Marseille
<b>Enrollment</b>	1,160 participants

## Key Eligibility Criteria

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### Inclusion (5)

- Patients undergoing any elective surgery for which vancomycin is recommended in the guidelines as an alternative to beta-lactams including: neurosurgery, cardiac surgery, orthopedic surgery, vascular surgery, penile and testicular surgery, gastric banding procedure in digestive surgery.
- Age e 18 years-old;
- Known allergy to beta-lactams AND/OR suspected or proven MRSA colonization. Proven MRSA colonization is defined as a positive patient sample (any type of swab or biological fluid) for MRSA within 3 months prior to surgery. MRSA colonization is suspected when the patient undergoing surgery has received antibiotic treatment within 3 months prior to surgery or is undergoing re-intervention more than 5 days after the first surgery. MRSA is defined as a strain of *Staphylococcus aureus* resistant to oxacillin or ceftoxitin, predicting non-susceptibility to all classes of beta-lactam antimicrobials (except anti-MRSA cephalosporins) (6). In contrast, MSSA is defined as an oxacillin sensitive strain of *Staphylococcus aureus*;
- Informed consent of the patient;
- Affiliated to a social security system or equivalent.

### Exclusion (9)

- Surgery for suspected or proven SSI (definition of SSI provided on chapter 3.6.1 Primary endpoint as defined by (5, 7)) according to international definitions;
- Obesity defined by a body mass index (BMI)  $\geq 35$  kg/m<sup>2</sup> or a body weight  $\geq 100$  kg;
- Chronic kidney disease defined as glomerular filtration rate (GFR)  $< 60$  ml/min per 1.73m<sup>2</sup>;
- Known allergy to linezolid or vancomycin;
- Hematologic malignancy;
- ... and 4 more (see full listing online)

## Locations (1 total)

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Anesthésie Réanimation - Hôpital Nord (AP-HM), Marseille, France