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Background

- Hemipelvectomy is associated with a significant risk of wound complications, infections, bleeding and injuries to nearby neurovascular structures as well as the GI and GU tract

Objectives

- To determine the patient characteristics and approach to treatment that could affect surgical site infection or wound complications in sarcoma patients undergone hemipelvectomy

Methods

- Retrospective analysis of 33 adult patients who underwent hemipelvectomy at Moffitt Cancer Center, Tampa, FL, from 2008 to 2016
- Gender, age, pre-op radiation and chemotherapy, tumor size, margin and grade, disease status, transfusion, computer navigation, Clavien-Dindo classification, length of stay, estimated blood loss, OR time
- Chi-square test for the association between wound complication and categorical variables

Conclusions

- Older patients undergoing hemipelvectomy are at an increased risk of developing wound complications with a prolonged hospital stay
- Initial broad-spectrum antimicrobial therapy should be considered for patients who have undergone hemipelvectomy with suspected surgical site infection to cover for both skin and gastrointestinal flora

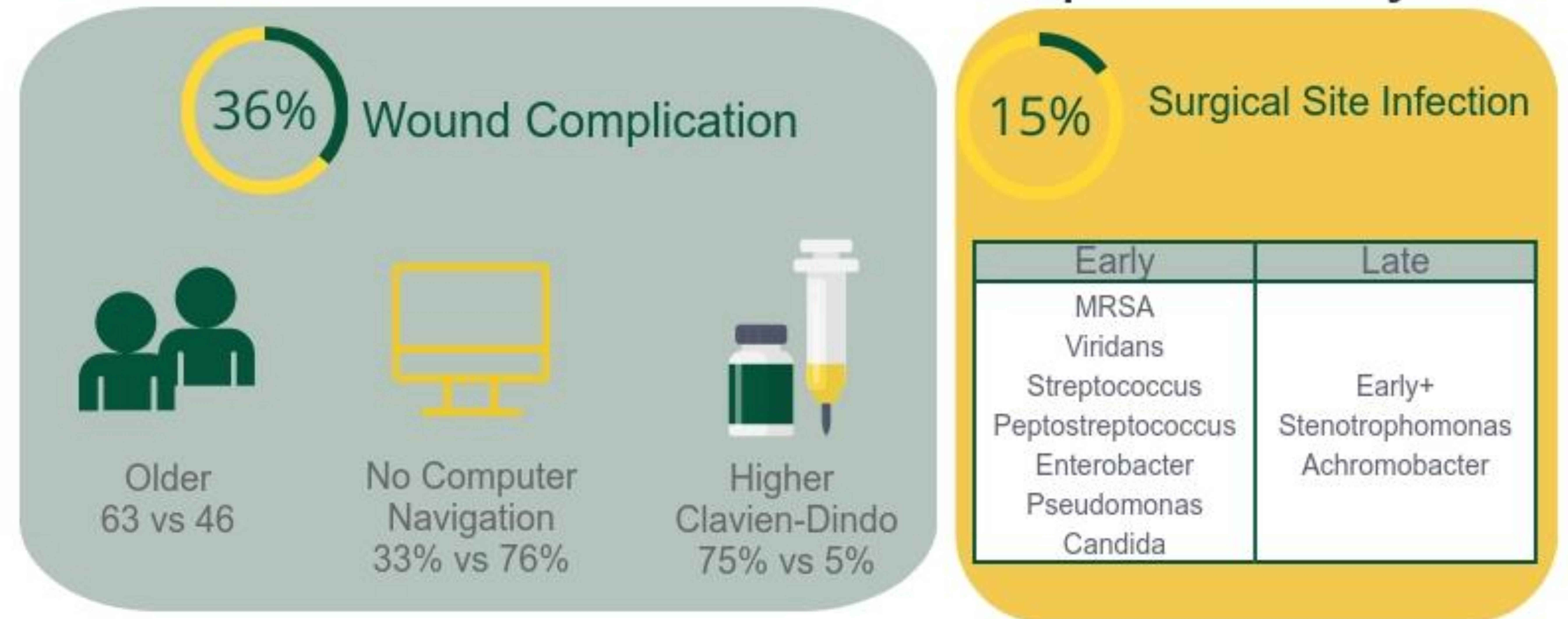
References

- Guder WK, Harges J, Gosheger G, Henrichs MP, Nottrott M, Streiburger A. Analysis of surgical and oncological outcome in internal and external hemipelvectomy in 34 patients above the age of 65 years at a mean follow-up of 56 months. *BMC Musculoskelet Disord.* 2015;16:33.
- Ogura K, Boland PJ, Fabbri N, Healey JH. Rate and risk factors for wound complications after internal hemipelvectomy. *Bone Joint J.* 2020;102-B(3):280-284.

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Results

33 Patients Underwent Hemipelvectomy



Older
63 vs 46



No Computer
Navigation
33% vs 76%



Higher
Clavien-Dindo
75% vs 5%

14.8 vs 7.0
days



19.4 vs 8.1
days

Longer Hospital Length of Stay



Abstract