Impact of Diabetes Type on Likelihood of Periprosthetic Joint Infection

Patients with diabetes who undergo arthroplasty have a higher likelihood of periprosthetic joint infection (PJI)

- Type-1 diabetes
- Type-2 diabetes

However, the effect of diabetes type is not well documented

Risk factors determined in...

- N = 75,478
- 1,668 had type-1 diabetes
- 18,186 had type-2 diabetes

...who underwent hip or knee arthroplasty

Patients with type-1 diabetes had more diabetic complications in their history and higher rates of PJI than patients with type-2 diabetes

OR* = 1.76
OR = 2.33
OR = 2.59
OR = 2.15
OR = 2.52

18,186 had type-2 diabetes

Type-1 diabetes: 7%
Type-2 diabetes: 4%

Frequency of PJI in patients with diabetes

Frequency of PJI in patients without diabetes

OR* = Odds ratio

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