

Postoperative Outcomes and Complications in Menopausal Patients after Reduction Mammoplasty

Edward T.C. Dong; Jérôme Martineau, MD; Gauthier Zinner, MD; Daniel F. Kalbermatten, MD, PhD¹; Carlo M. Oranges, MD, PhD¹.

¹ Department of Plastic, Reconstructive, and Aesthetic surgery, Geneva University Hospitals, Geneva University, Geneva, Switzerland

BACKGROUND

- Symptomatic macromastia is a debilitating condition that affects millions of women worldwide
- Reduction mammoplasty is the gold standard treatment
- Association between oestrogen levels and wound healing has been established in literature

METHODS

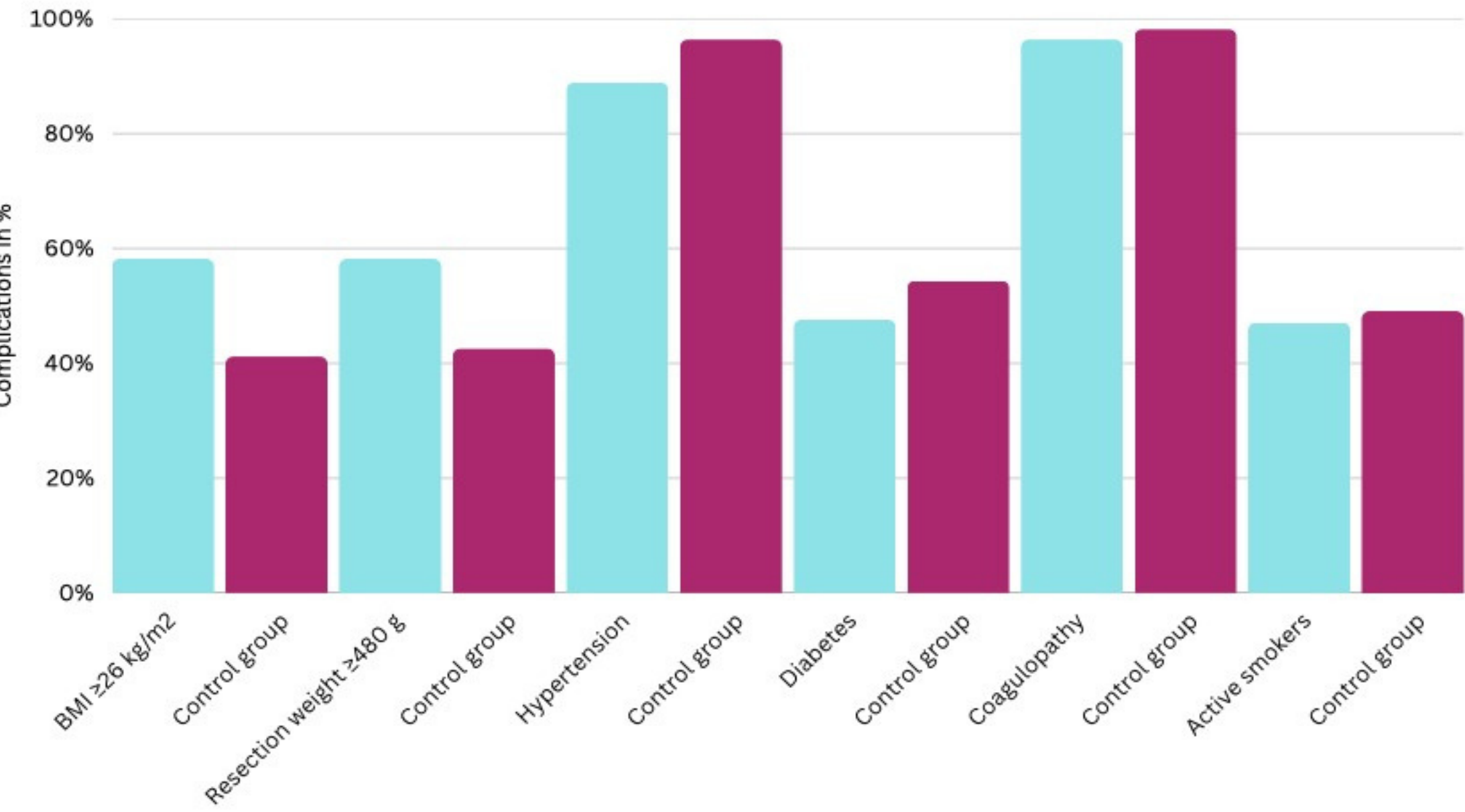
- Retrospective review of all patients who underwent RM from January 2018 to May 2024
- Menopausal status was confirmed from the medical charts or via discussion with the patients
- Complications were defined as early or delayed

RESULTS AND DISCUSSION

Patient demography and characteristics

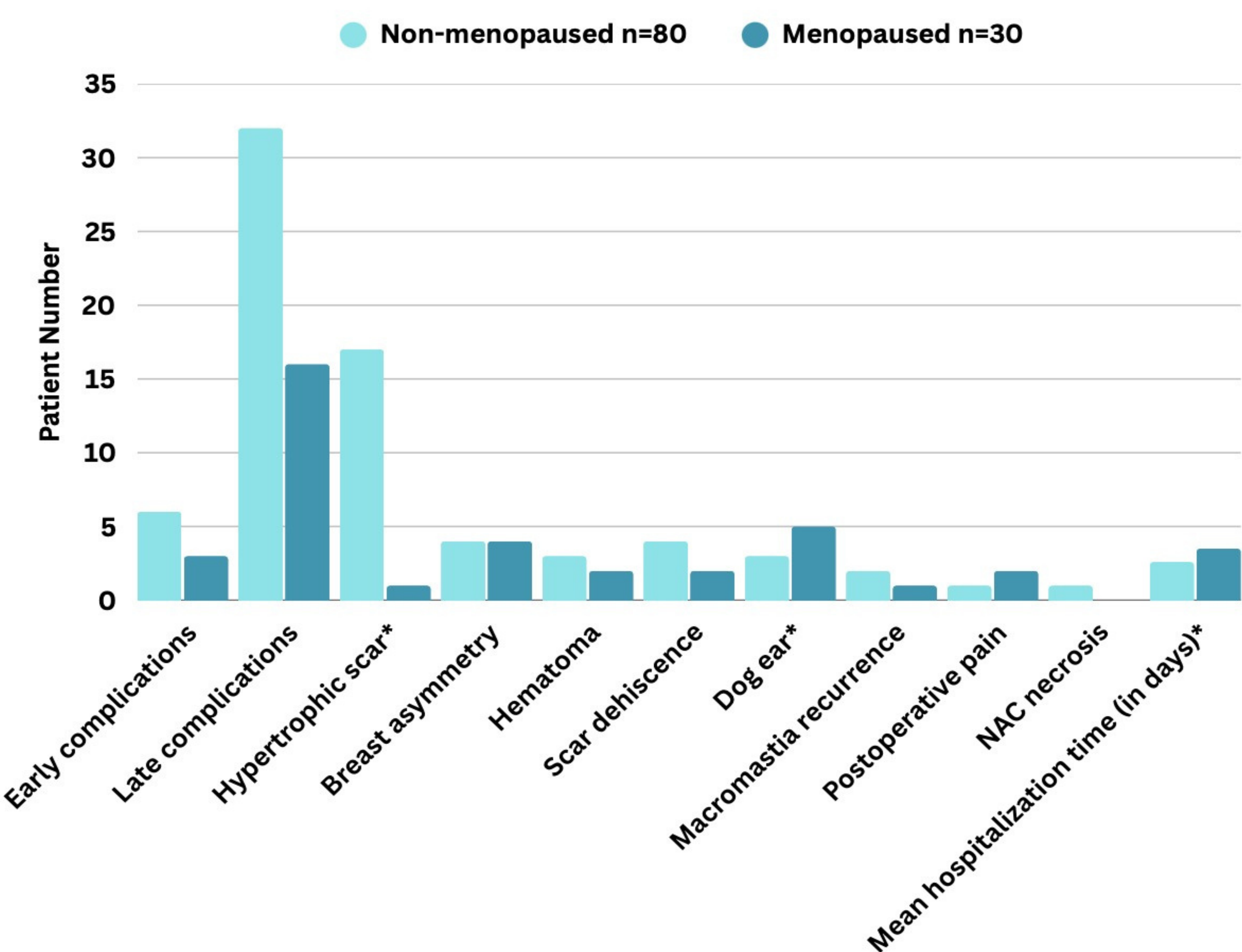
FEATURES	NON-MENOPAUSED (N=80)	MENOPAUSED (N=30)	P-value
Baseline characteristics			
AGE [years], mean (SD)	32.7 (12.64)	57.3 (6.51)	<0.001*
BMI [kg/m ²], mean (SD)	25.6 (2.98)	27.6 (4.01)	0.005
Active smokers, n (%)	16.0 (20%)	5.0 (16.7%)	0.692
Comorbidities			
Diabetes, n (%)	2 (2.5%)	3 (10%)	0.093
Hypertension, n (%)	4 (5%)	4 (13.3%)	0.13
Coagulopathy, n (%)	3 (3.75%)	0	0.019*
Follow-up [months], mean (SD)	9.4 (8.10)	10.2 (10.70)	0.89

Confounders

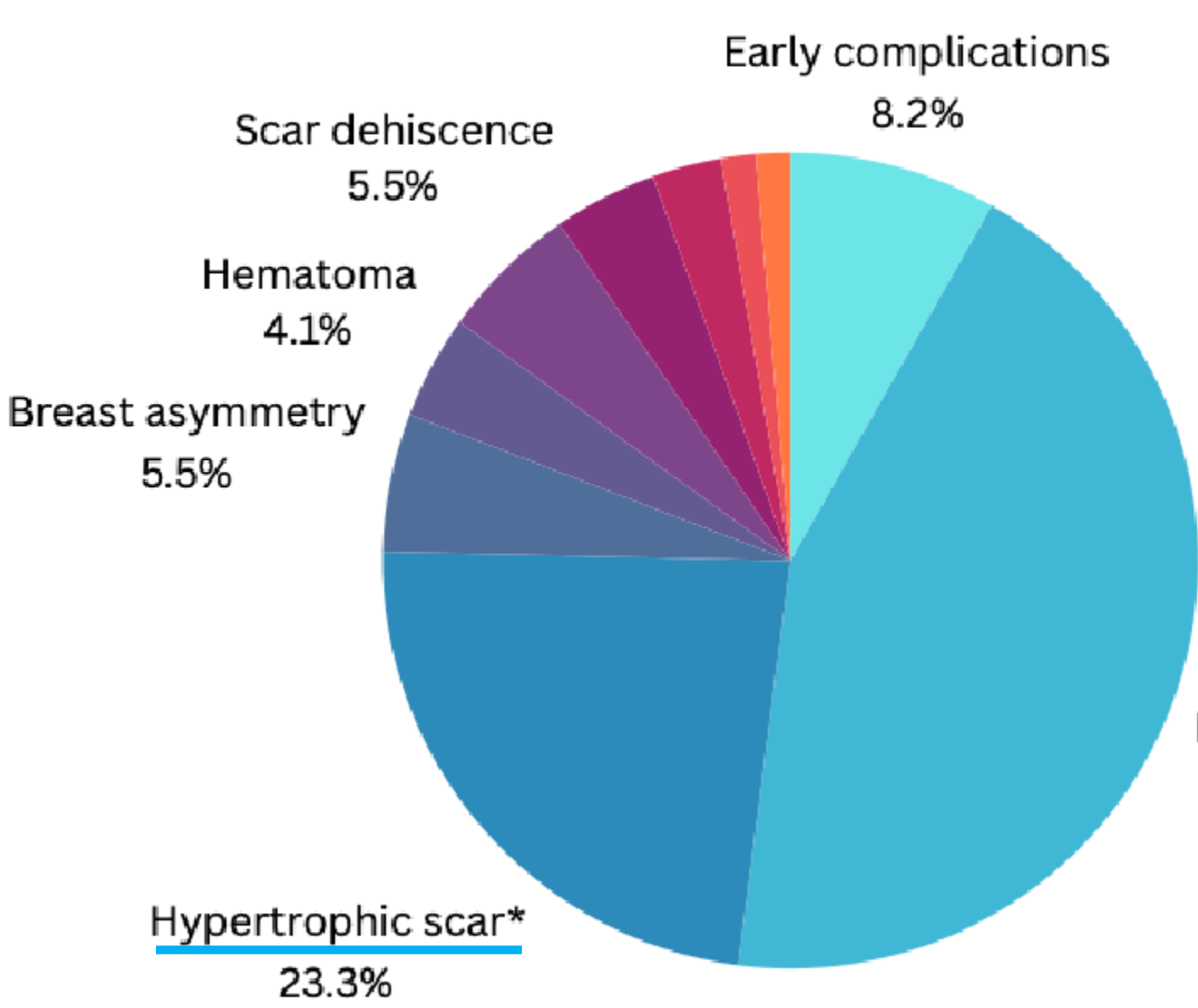


	ODDS RATIO	IC-95%	P-value
Diabetes	1.7920	1.162-2.763	0.008*
Hypertension	1.277	0.877-1.860	0.203
Active smokers	1.021	0.758-1.373	0.893
BMI >26 kg/m ²	1.404	1.061-1.857	0.018*
Resection weight >480 g	1.234	0.947-1.608	1.234

Complications

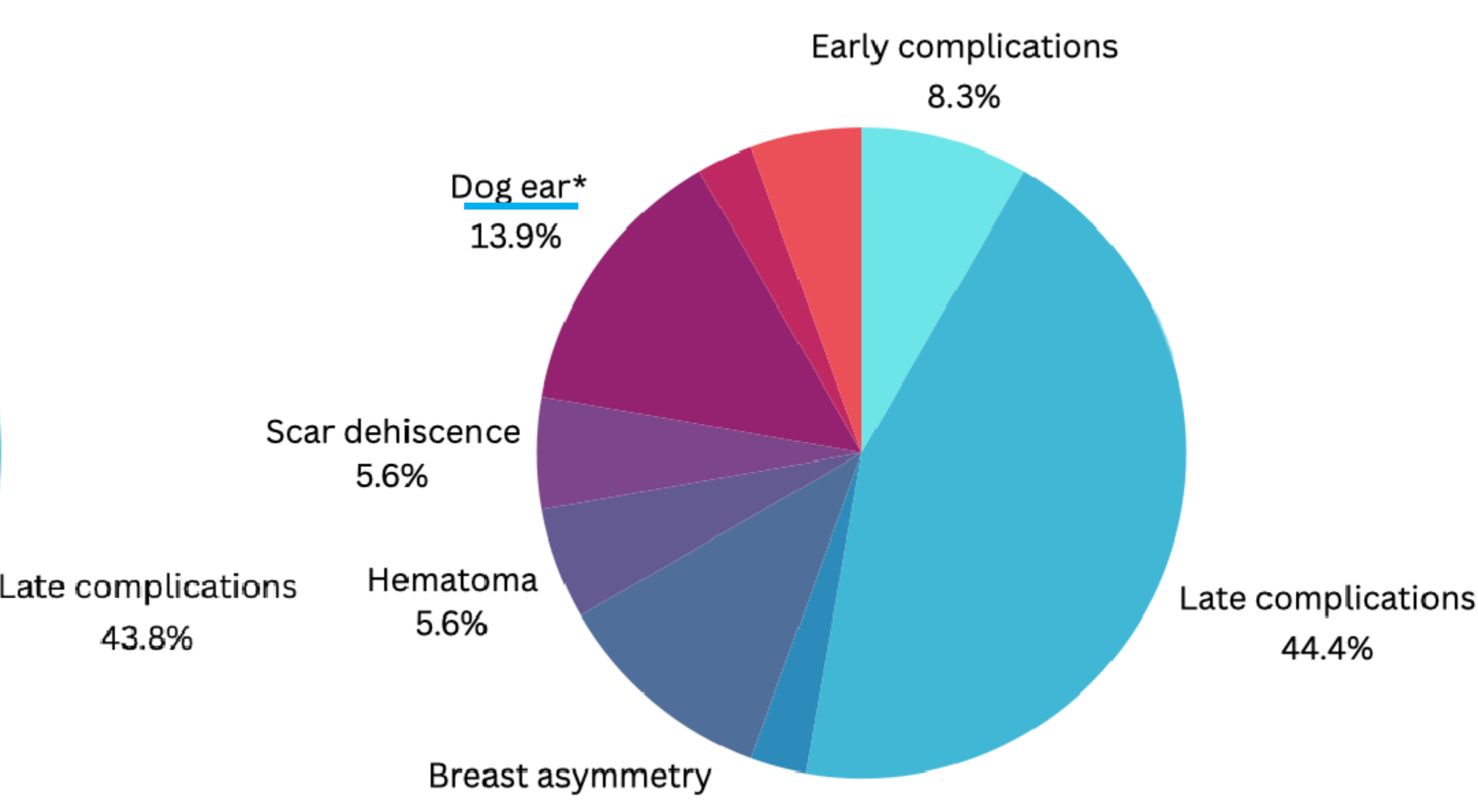


Non-Menopausal



vs.

Menopausal



CONCLUSION

- Menopausal patients do not have higher risk of complications
- Except for developing a higher rate of dog ears
- Non-menopausal women had a higher rate of hypertrophic scars

ACKNOWLEDGEMENTS

- COI: one co-author is the Editor-in-Chief for JPRAS Open
- Not involved in the editorial review and publication decision
- No funding
- CCER 2024-01071

