

EXAMINATION OF SURGICAL INDICATIONS AND PREVIOUS HIP REPLACEMENT SURGERY AMONG HIP PROSTHESIS PATIENTS IN STATE AND PRIVATE HEALTH CARE

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OBJECTIVES

The aim of our study is to compare data on previous hip replacement surgery and indication of the operation in state and private health care in Hungary.

METHODS

Hip replacement patients were selected from the Department of Orthopedics, Clinical Centre of the University of Pécs and at the Da Vinci Private Clinic in Pécs, Hungary. They completed a questionnaire preoperatively including information about their disease, previous and current hip replacement surgery.

RESULTS

The research involved 208 people, 96 patients in the state and 112 in the private health care. The main surgical indication for hip replacement surgery was coxarthrosis (State care: 79.17%, Private care: 84.68%) (Figure 1-2). Revision only occurred in the state care. No significant difference was found in the duration of hip joint pain between sectors (State care: 4.41, Private care: 4.81 years). The number of comorbidities was significantly higher in the state care (State care: 5.05, Private care: 4.09) ($p=0.001$). The proportion of surgery involving the right and left lower limb was nearly equal. Previous prosthesis surgery was performed in 30.21% of patients in the state and 15.18% of private patients ($p=0.009$). 100% of the previous surgeries of state patients were also performed in the state sector ($p<0.001$), 50% of private patients had been operated in the state and 50% in the private sector (Table 1). 43.75% of state patients and only 28.57% of private patients regularly used a walking aid before surgery ($p=0.023$). Among them, the most common was using a walking stick or an elbow crutch (Table 2).

CONCLUSIONS

The main indication for hip replacement surgery was coxarthrosis, with revision appearing only in the state sector. The incidence of previous prosthesis surgery was higher in state sector patients. Our results allowed us to see which health care sector our patients had chosen for previous surgery may have influenced their current choice.

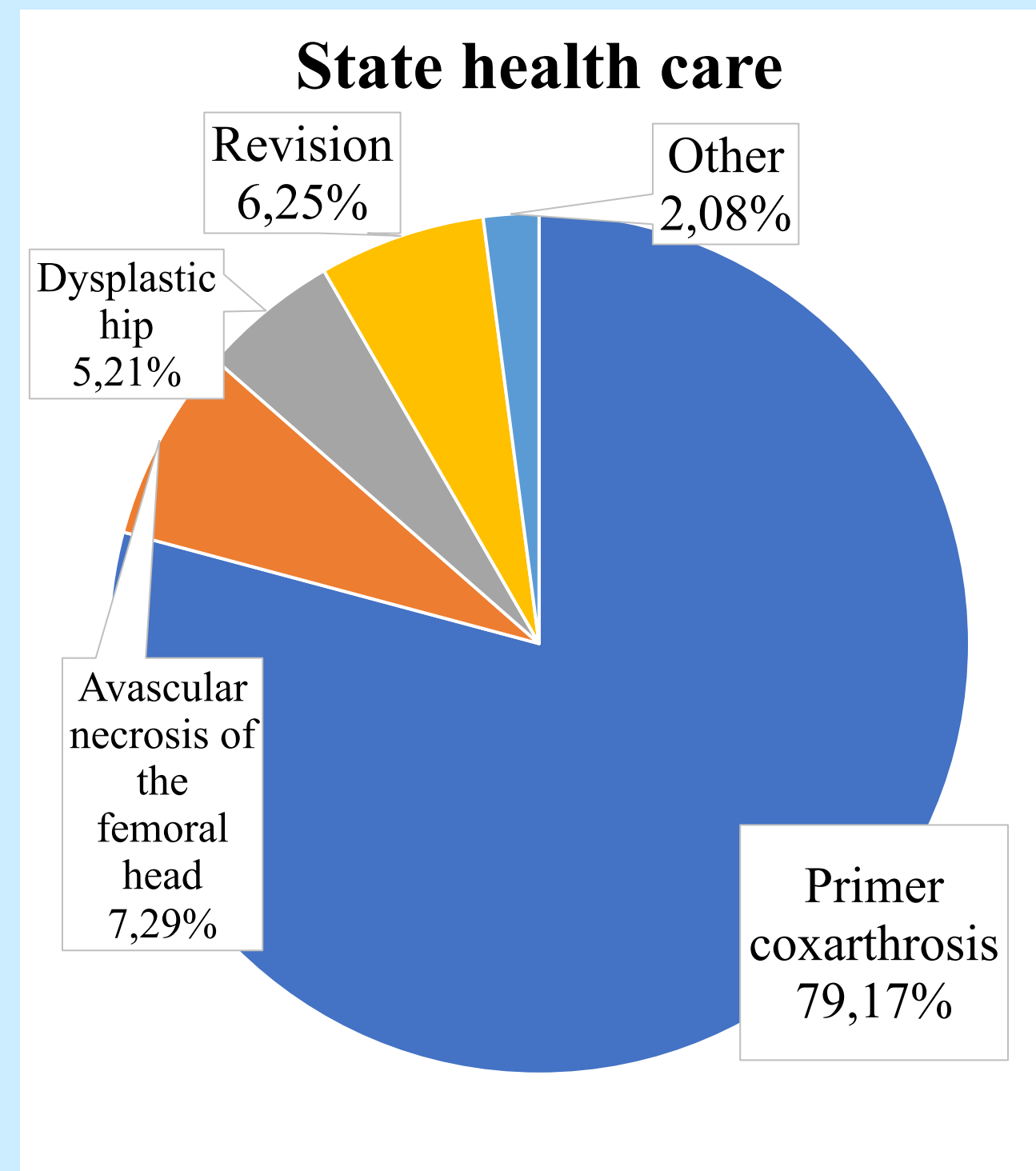


Figure 1. Indication for surgery in state health care

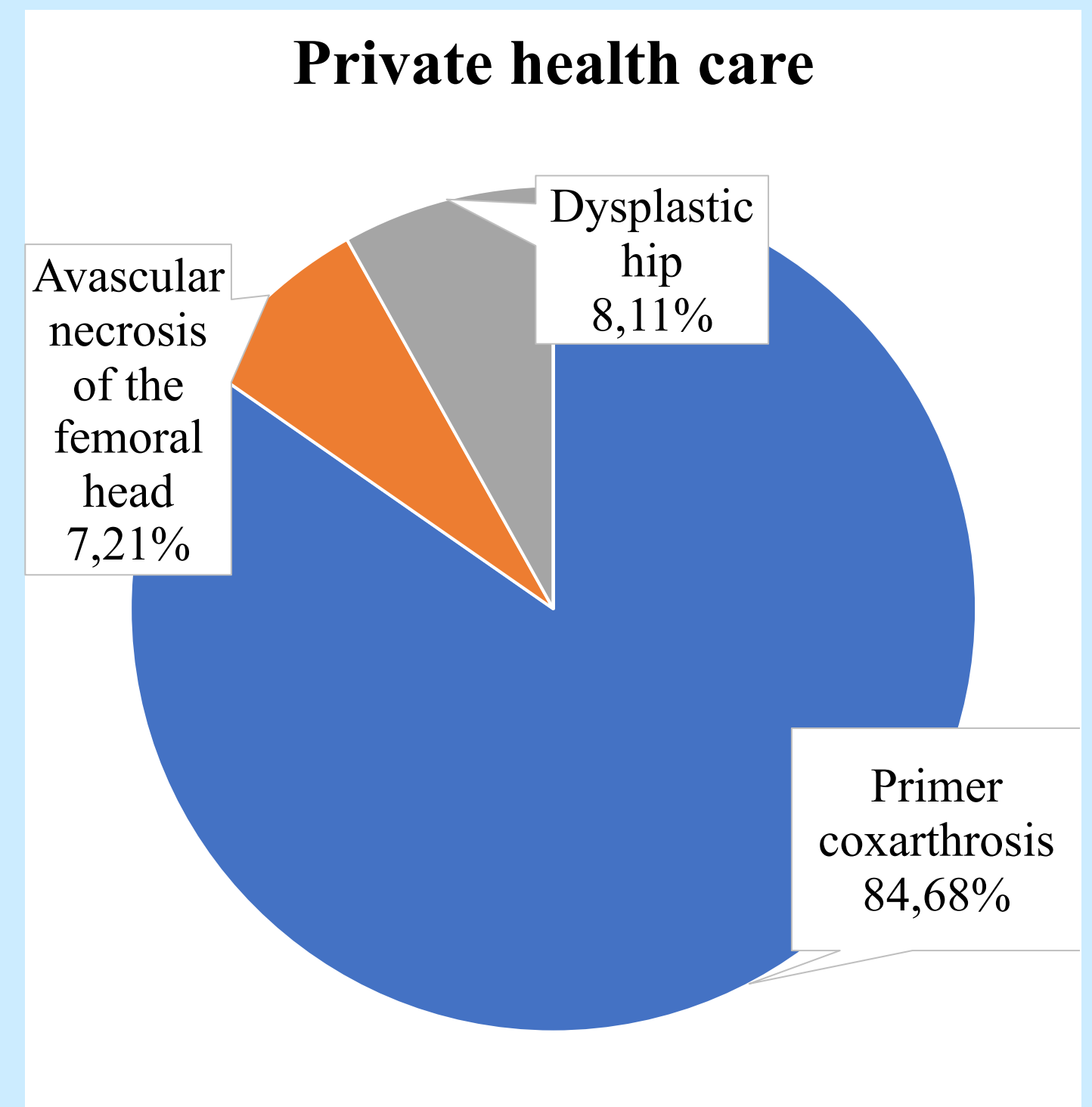


Figure 2. Indication for surgery in private health care

		STATE HEALTH CARE	PRIVATE HEALTH CARE
OPERATED LOWER LIMB	RIGHT	53.13 %	50.0 %
	LEFT	46.88 %	49.11 %
	BOTH	0 %	0.89 %
PREVIOUS PROSTHESIS SURGERY	YES	30.21 %	15.18 %
	NO	69.79 %	84.82 %
SITE OF PREVIOUS PROSTHESIS SURGERY	STATE HEALTH CARE	31.25 %	8.93 %
	PRIVATE HEALTH CARE	0 %	8.93 %
	NO PREVIOUS PROSTHESIS SURGERY	68.75 %	82.14 %

Table 1. The affected lower limb and the history of previous prosthesis surgery

		STATE HEALTH CARE	PRIVATE HEALTH CARE
TYPE OF WALKING AID BEFORE SURGERY	WITHOUT WALKING AID	56.25 %	71.43 %
	ONE WALKING STICK	17.71 %	11.61 %
	ONE ELBOW CRUTCH	12.50 %	7.14 %
	TWO WALKING STICK	1.04 %	1.79 %
	TWO ELBOW CRUTCHES	9.38 %	7.14 %
	WALKING FRAME	3.13 %	0.89 %

Table 2. Type of walking aid before surgery



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