

SUPPLEMENTARY MATERIAL

Table 1. Reagents and concentrations used for skin prick tests, intradermal tests, and patch tests with iodinated contrast media.

REAGENT	CONCENTRATION		
	Skin prick tests (SPT)	Intradermal tests	Patch tests
Iohexol (Omnipaque®)	240 mg/mL	24 mg/mL	240 mg/mL
Iodixanol (Visipaque®)	320 mg/mL	32 mg/mL	320 mg/mL
Ioversol (Optiray®)	320 mg/mL	32 mg/mL	320 mg/mL
Iobitridol (Xenetix®)	300 mg/mL	30 mg/mL	300 mg/mL

Table 2. Reagents and concentrations used for skin prick tests, intradermal tests and patch tests with nuclear magnetic resonance contrasts.

REAGENT	CONCENTRATION		
	Skin prick tests (SPT)	Intradermal tests	Patch tests
Gadoteric acid (Dotarem®)	0,5 mmol/mL	0,05 mmol/mL	0,5 mmol/mL
Gadobutrol (Gadovist®)	1 mmol/mL	0,1 mmol/mL	1 mmol/mL
Sodium gadoxetate (Primovist®)	0,25 mmol/mL	0,025 mmol/mL	0,25 mmol/mL

Table 3. Variables and data collected in the structured questionnaire.

1. Sex	25. Number of visits to the Emergency Service
2. Age	26. Assessment of visits to the Emergency Service
3. First-degree family history of drug allergy	27. Assessment of visits to the Health Center
4. First-degree family history of atopy	28. Treatment with antihistamines
5. Personal history of atopy	29. Treatment with corticosteroids
6. Personal history of drug allergy	30. Treatment with epinephrine
7. Personal history of chronic disease	31. Hospital admissions due to suspected drug allergy
8. Personal history of other diseases	32. Number of days of hospitalization
9. Number of drugs regularly consumed	33. Previous tolerance of the drug involved
10. Drugs regularly consumed	34. Consultations from the drug induced allergic episode
11. Treatment with beta-blockers	35. Previous treatments
12. Treatment with ACE inhibitors	36. Number of visits to the physician in the Allergy Service
13. Treatment with other drugs	37. Number of visits to Nurse in the Allergy Service
14. Clinical Service that sent the patient	38. Consultation in Allergy Service
15. Reason for consultation	39. Treatments in Allergy Service
16. Indication for drug administration	40. Skin prick test with aeroallergens
17. Number of drugs involved in the reaction	41. Skin prick test with the involved drugs
18. Drugs involved in the reaction	42. Intradermal skin test with the involved drugs
19. Route of administration	43. Patch testing with the involved drugs
20. Number of doses administered	44. Controlled exposure tests
21. Latency period until the onset of symptoms	45. Result of controlled exposure tests
22. Clinic Reaction	46. Leaving the study
23. Duration of symptoms	47. Do patients work for hire?
24. Number of episodes	48. Hours of work lost for allergy diagnostic procedures

Table 4. Raw data of the study MCR costs provided by the Hospital Pharmacy Service.

ACTIVE PRINCIPLE	COST (€)
Iobitridol	1455.24
Iodixanol	48.59
Iohexol	129.01
Iopromide	35.02
Gadobutrol	77.23
Meglumine gadoterate	215.33
Disodium gadoxetate	546.03
TOTAL	2,506.45

Table 5. Materials and infrastructures and payroll of the personal proportionally to the number of patient visits.

	Allergy Service		Patients of the study	
	Total cost (€)	n° visits	n° visits	Total cost (€)
	(y)	(N)	(n)	(x)
Materials and infrastructures	22,680.08	25,239	291	261.50
Payroll of the Allergy Service personnel (Payroll and insurance)	678,722.63 (541,958.69 + 136,763.94)			7,825.52
TOTAL				8,087.02

Total number of visits to Allergy Service: 25,239

Number of patient visits that consulted for suspected contrast hypersensitivity: 291

The equation for attributing the total consumption and personnel costs to the patients of the study was:

$$x = \frac{y}{N} * n$$

Where: x: costs attributed to the patients of the study

y: total costs attributed to all patients attended in the Allergy Service

N: number of visits of all patients who were attended in the Allergy Service

n: number of visits of the patients of the study

Payroll: (291/25,239)* 678,722.63 = **€7,825.52**

Table 6. Data of materials and infrastructures

MATERIAL	Total amount in 2017 (€)
Repairs, maintenance and supplies	1,771.69
Non inventoryable ordinary office material, reprography and printing material	937.55
General sanitary and generic healing material	18,635.55
Electrical and communication equipment	662.63
Others (clothing, kitchen and dining utensils, and cleaning)	672.66
TOTAL COSTS	22,680.08

Total number of visits to Allergy Service: 25,239.

Number of patient visits that consulted for suspected contrast hypersensitivity: 291.

Material and infrastructures: $(291/25,239) * 22,680.08 = \text{€}261.50$