stenosis and nasal synechiae obstruction are also reported. Risk factors for nCPAP-induced nasal injury include low birth weight, low gestational age, and increased time on nCPAP. Good clinical practices to prevent and treat nCPAP-induced skin damage are here briefly reviewed; strong efforts must be spent in NICU personnel education in order to enhance awareness about this topic and ensure a correct prevention.

Key words: Phakomatosis cesioflammea; Dermatology; Neonatology; Down syndrome; Trisomy 21

Abbreviations

PPV: Phakomatosis pigmentovascularis

CASE PRESENTATION

A term male newborn with prenatal diagnosis of Down syndrome presented at birth with a widespread vascular capillary malformation involving left hemithorax, arm, buttock, and leg (Figure 1A); an extensive, partly superimposed Mongolian spot was also clearly visible on the left hemibody and right part of the back and buttocks (Figure 1B). Clinical picture was compatible with that of phakomatosis pigmentovascularis cesioflammea. Fundus oculi, cerebral and abdomen ultrasound turned out normal. A cardiac ultrasound revealed atrial septal defect. Cutaneous lesions remained unmodified at 10-month control visit.

KEY LEARNING POINTS

Phakomatosis pigmentovascularis (PPV) represents an heterogeneous family of syndromes in which a pigmentary nevus and a cutaneous capillary malformation coexist. Original classification of 1985[1] divided PPV into four forms (later in 2003, a fifth form called cutis...
marmorata telangiectasica congenita was added) according to the associated pigmented lesion; each form was further subdivided in “a” and “b” based on the presence or absence of extracutaneous signs. More recently, Happle reorganized PPV classification into three forms: phakomatosis cesioflammea (blue spots —“caesius” in Latin— and nevus flammeus); phakomatosis spilorosea (nevus spilus coexisting with a palepink telangiectatic nevus), and phakomatosis cesiomarmorata (blue spots and cutis marmorata telangiectatica congenita).

Phakomatosis cesioflammea represents the most common presentation. Possibly associated extracutaneous manifestation of this condition include central nervous system defects, melanosis bulbi, glaucoma, asymmetrical length of limbs, Klippel-Trenaunay syndrome, nevus anemicus, and Sturge-Weber syndrome. This case is of interest since it first describes association of phakomatosis cesioflammea with Down syndrome.

Figure 1 A: Ventral extension of nevus flammeus and Mongolian spot on our patient. B: Dorsal extension of nevus flammeus and Mongolian spot on our patient.

REFERENCES