

Contents

UNIVERSIDAD MAYOR DE SAN SIMÓN				
FACULTAD DE MEDICINA				
INVENTARIO: Biblioteca "Julio Rodríguez Rivas"				
04	17	01	201	597648
Código de Inventario				
4	11	09	Bs.	15.-
Día		Mes		Año
				5

Preface	5
1. Introduction	7
2. Assessment, prevalence and consequences of iron deficiency anaemia	8
3. Etiology and epidemiology of iron deficiency anaemia	11
Iron requirements	11
Types of dietary iron	14
Absorption of dietary iron	16
Recommended iron intakes	19
4. Screening for anaemia and assessing iron status	22
When and how to screen	22
Anaemia screening tests	23
Haemoglobin concentration	24
Packed cell volume (haematocrit)	25
Diagnosing anaemia on the basis of haemoglobin values	25
Iron deficiency tests	26
Serum ferritin	26
Transferrin saturation	27
Erythrocyte protoporphyrin	27
Combined nutritional deficiencies	27
5. Treatment of iron deficiency anaemia	29
Oral iron therapy	29
Iron tablets	29
Liquid preparations	31
Combinations with other nutrients	31
Dosage	31
Side-effects	32
Parenteral iron therapy	32
Cost of treatment	33

6. Prevention of iron deficiency anaemia	34
Supplementation with medicinal iron	34
Pregnant women	34
Preschool children	35
Schoolchildren	35
Infants	36
Dietary modification	36
Control of viral, bacterial and parasitic infections	39
Food fortification	40
7. Costs and benefits of prevention	43
8. The planning and execution of anaemia control programmes	45
Components of the anaemia control strategy	45
Situation analysis	47
Characteristics and goals of the strategy	48
Supplies	49
Public education	49
Monitoring and evaluation	50
Distribution of responsibilities within the health care system	51
References	54