

TABLE OF CONTENTS

INTRODUCTION

UNDERSTANDING THE NUTRITION CARE PROCESS

NCP	The Nutrition Care Process	2
	The Nutrition Care Process and Terminology	2
	Nutrition Assessment	2
	Nutrition Diagnosis	4
	Case Studies	4
	Nutrition Intervention	7
	Nutrition Monitoring and Evaluation	9
DA	Dietary Analysis	10
	Apps and Software	10
	Exchange Lists and Ready Reckoners	10
	Serving Sizes for Ready Reckoners	11
	Occasional Foods	15
CS	Case Studies	16
	Clinical Mind Maps	17
	References	18

CASE STUDIES AND CONCEPT MAPS

1 ADULT WEIGHT MANAGEMENT

P	Perspective	20
	Major Risk Factors for Obesity	20
	Diagnosing Overweight and Obesity	21
	Classification of Overweight and Obesity	21
	Waist Circumference	22
	Intervention Summary	22
MM	NCP Mind Map—Adult Weight Management	23
	Nutrition Assessment	23
	Comparative Standards	26
	Nutrition Diagnosis	27
	Nutrition Intervention	28
	Nutrition Monitoring and Evaluation	33
R	Resources	34
LO	Case Study 1—Learning Outcomes	35
	Objectives	35
	Nutrition Diagnosis Codes Considered	35
CS	Adult Weight Management—Case Study	36
	Mr Robertson’s Story—Adult Weight Management	36
	Mr Robertson’s Diet History—Adult Weight Management	37

Q	Adult Weight Management—Questions	38
	Step 1 Nutrition Assessment	39
	1.1 Apportioning Recipes	39
	1.2 Completing Nutrition Analysis (Ready Reckoner Approach) ...	40
	1.3 Evaluating Food Servings (Ready Reckoner Approach)	43
	1.4 Comparing to Dietary Guidelines	44
	1.5 Plotting BMI Trends	45
	1.6 Estimating Energy and Protein Needs	46
	1.7 Impact of Physical Activity.....	49
	1.8 Assessing Knowledge, Beliefs and Attitudes	50
	1.9 Summarizing Nutrition Assessment	52
	Step 2 Nutrition Diagnosis	53
	1.10 Creating an Initial List of Nutrition Diagnoses	53
	1.11 Developing PES Statements	54
	Step 3 Nutrition Intervention	55
	1.12 Formulating a Nutrition Prescription and Aims	55
	1.13 Creating an Initial List of Nutrition Interventions	56
	1.14 Re-evaluating the Initial Nutrition Diagnosis and Nutrition Intervention	57
	1.15 Formulating Specific Behavioral-Change Targets	59
	Step 4 Monitoring and Evaluation	61
	1.16 Creating a Plan for Nutrition Monitoring and Evaluation	61
A	Adult Weight Management—Answers	63
	Step 1 Nutrition Assessment	64
	1.1 Apportioning Recipes	64
	1.2 Completing Nutrition Analysis (Ready Reckoner Approach) ...	65
	1.3 Evaluating Food Servings (Ready Reckoner Approach)	68
	1.4 Comparing to Dietary Guidelines	69
	1.5 Plotting BMI Trends	70
	1.6 Estimating Energy and Protein Needs	71
	1.7 Impact of Physical Activity	73
	1.8 Assessing Knowledge, Beliefs and Attitudes	74
	1.9 Summarizing Nutrition Assessment	75
	Step 2 Nutrition Diagnosis	77
	1.10 Creating an Initial List of Nutrition Diagnoses	77
	1.11 Developing PES Statements	78
	Step 3 Nutrition Intervention	80
	1.12 Formulating a Nutrition Prescription and Aims	80
	1.13 Creating an Initial List of Nutrition Interventions	81
	1.14 Re-evaluating the Initial Nutrition Diagnosis and Nutrition Intervention	82
	1.15 Formulating Specific Behavioral-Change Targets	84
	Step 4 Nutrition Monitoring and Evaluation	86
	1.16 Creating a Plan for Nutrition Monitoring and Evaluation	86
R	References	87

2 HYPERTENSION

P	Perspective	90
	Major Risk Factors for Hypertension	90
	Diagnosing Hypertension	91
	Classification of Hypertension Categories	91
	Management	91
	Cardioprotective Diet	93
MM	NCP Mind Map—Hypertension	95
	Nutrition Assessment	95
	Comparative Standards	98
	Nutrition Diagnosis	99
	Nutrition Intervention	100
	Nutrition Monitoring and Evaluation	106
R	Resources	107
LO	Case Study 2—Learning Outcomes	108
	Clinical Issues	108
	Objectives	108
	Nutrition Diagnosis Codes Considered	108
CS	Hypertension—Case Study	109
	Mr Robertson’s Story—Hypertension	109
	Mr Robertson’s Diet History—Hypertension	111
Q	Hypertension—Questions	112
	Step 1 Nutrition Assessment	113
	2.1 Completing Nutrition Analysis (Ready Reckoner Approach)	113
	2.2 Evaluating Food Servings (Ready Reckoner Approach)	117
	2.3 Comparing to Dietary Guidelines	119
	2.4 Plotting BMI Trends	120
	2.5 Assessing Knowledge, Beliefs and Attitudes	121
	2.6 Summarizing Nutrition Assessment	122
	Step 2 Nutrition Diagnosis	124
	2.7 Evaluating Existing Nutrition Diagnoses	124
	2.8 Creating an Initial List of Nutrition Diagnoses	126
	2.9 Developing PES Statements	127
	Step 3 Nutrition Intervention	128
	2.10 Formulating a Nutrition Prescription and Aims	128
	2.11 Creating an Initial List of Nutrition Interventions	129
	2.12 Re-evaluating the Initial Nutrition Diagnosis and Nutrition Intervention	130
	2.13 Formulating Specific Behavioral-Change Targets	131
	Step 4 Nutrition Monitoring and Evaluation	133
	2.14 Creating a Plan for Nutrition Monitoring and Evaluation	133
R	References	135

3 TYPE 2 DIABETES

P	Perspective	138
	Major Risk Factors for Type 2 Diabetes	138
	Symptoms of Uncontrolled Diabetes	138
	Diagnosing and Classifying Type 2 Diabetes	139
	Nutrition Intervention for Type 2 Diabetes	139
	Important Research Relating to Diabetes Mellitus	140
MM	NCP Mind Map—Type 2 Diabetes	141
	Nutrition Assessment	141
	Comparative Standards	144
	Nutrition Diagnosis	145
	Nutrition Intervention	146
	Nutrition Monitoring and Evaluation	151
R	Resources	152
LO	Case Study 3—Learning Outcomes	153
	Clinical Issues	153
	Objectives	153
	Nutrition Diagnoses Codes Considered	153
CS	Type 2 Diabetes—Case Study	154
	Mr Robertson’s Story—Type 2 Diabetes	154
	Mr Robertson’s Diet History—Type 2 Diabetes	156
Q	Type 2 Diabetes—Questions	157
	Step 1 Nutrition Assessment	158
	3.1 Apportioning Recipes	158
	3.2 Completing Nutrition Analysis (Ready Reckoner Approach) ..	159
	3.3 Evaluating Food Servings (Ready Reckoner Approach)	163
	3.4 Comparing to Dietary Guidelines	165
	3.5 Plotting BMI Trends	167
	3.6 Estimating Carbohydrate Distribution and Type	169
	3.7 Evaluating the Impact of Physical Activity	171
	3.8 Estimating Energy Needs	172
	3.9 Assessing Knowledge, Beliefs and Attitudes	173
	3.10 Summarizing Nutrition Assessment	174
	Step 2 Nutrition Diagnosis	175
	3.11 Evaluating Existing Nutrition Diagnoses	175
	3.12 Creating an Initial List of Nutrition Diagnoses	177
	3.13 Developing PES Statements	178
	Step 3 Nutrition Intervention	180
	3.14 Formulating a Nutrition Prescription and Aims	180
	3.15 Creating an Initial List of Nutrition Interventions	181
	3.16 Re-evaluating the Initial Nutrition Diagnosis and Nutrition Intervention	182
	3.17 Formulating Specific Behavioral-Change Targets	183
	Step 4 Nutrition Monitoring and Evaluation	185
	3.18 Creating a Plan for Nutrition Monitoring and Evaluation	186
R	References	187

4 MALNUTRITION AND CANCER

P	Perspective	190
	Causes of Malnutrition	190
	Malnutrition Screening	191
	Diagnosing Malnutrition	192
MM	NCP Mind Map—Malnutrition and Cancer	194
	Nutrition Assessment	194
	Comparative Standards	198
	Nutrition Diagnosis	199
	Nutrition Intervention	200
	Nutrition Monitoring and Evaluation	204
R	Resources	205
LO	Case Study 4—Learning Outcomes	206
	Clinical Issues	206
	Objectives	206
	Nutrition Diagnoses Codes Considered	206
CS	Malnutrition and Cancer Case—Study	207
	Mr Robertson’s Story—Malnutrition and Cancer	207
	Mr Robertson’s Diet History—Malnutrition and Cancer	209
Q	Malnutrition and Cancer—Questions	211
	Step 1 Nutrition Assessment	212
	4.1 Completing Nutrition Analysis (Ready Reckoner Approach) ...	212
	4.2 Evaluating Food Servings (Ready Reckoner Approach)	214
	4.3 Plotting BMI Trends	215
	4.4 Assessing Biochemical Data, Medical Tests and Procedures	216
	4.5 Malnutrition Screening and Assessment	217
	4.6 Energy and Protein Needs (Comparative Standards)	220
	4.7 Assessing Knowledge, Beliefs and Attitudes	222
	4.8 Summarizing Nutrition Assessment	223
	Step 2 Nutrition Diagnosis	224
	4.9 Evaluating Existing Nutrition Diagnoses	224
	4.10 Creating an Initial List of Nutrition Diagnoses	225
	4.11 Developing PES Statements	226
	Step 3 Nutrition Intervention	229
	4.12 Formulating a Nutrition Prescription and Aims	229
	4.13 Creating an Initial List of Nutrition Interventions	230
	4.14 Re-evaluating the Initial Nutrition Diagnosis and Nutrition Intervention	231
	4.15 Formulating Specific Behavioral-Change Targets	232
	Step 4 Nutrition Monitoring and Evaluation	234
	4.16 Creating a Plan for Nutrition Monitoring and Evaluation	234
R	References	235

5 PEDIATRIC WEIGHT MANAGEMENT

P	Perspective	238
	Major Risk Factors for Pediatric Obesity	238
	Predictive Measures for Overweight and Obesity in Infants	239
	Diagnosing and Classifying Overweight and Obesity in Children	240
	Common Diagnostic Terms	240
MM	NCP Mind Map—Pediatric Weight Management	241
	Nutrition Assessment	241
	Comparative Standards	245
	Nutrition Diagnosis	246
	Nutrition Intervention	247
	Nutrition Monitoring and Evaluation	250
R	Resources	251
LO	Case Study 3—Learning Outcomes	252
	Clinical Issues	252
	Objectives	252
	Nutrition Diagnoses Codes Considered	252
CS	Pediatric Weight Management—Case Study	253
	Ricky’s Story—Pediatric Weight Management	253
	Ricky’s Diet History—Pediatric Weight Management	254
Q	Pediatric Weight Management—Questions	255
	Step 1 Nutrition Assessment	256
	5.1 Completing Nutrition Analysis (Ready Reckoner Approach)	256
	5.2 Evaluating Food Servings (Ready Reckoner Approach)	259
	5.3 Comparing to Dietary Guidelines	261
	5.4 Assessing Growth	262
	5.5 Diagnosing Overweight and Obesity	265
	5.6 Developmental Considerations	267
	5.7 Estimating Energy Needs	268
	5.8 Assessing Knowledge, Beliefs and Attitudes	271
	5.9 Summarizing Nutrition Assessment	272
	Step 2 Nutrition Diagnosis	273
	5.10 Creating an Initial List of Nutrition Diagnoses	273
	5.11 Developing PES Statements	274
	Step 3 Nutrition Intervention	275
	5.12 Formulating a Nutrition Prescription and Aims	275
	5.13 Creating an Initial List of Nutrition Interventions	276
	5.14 Re-evaluating the Initial Nutrition Diagnosis and Nutrition Intervention	279
	5.15 Formulating Specific Behavioral-Change Targets	280
	Step 4 Nutrition Monitoring and Evaluation	282
	5.19 Creating a Plan for Nutrition Monitoring and Evaluation	282
R	References	283

INDEX AND APPENDICES

INDEX AND APPENDICES

A	Appendices	286
	Appendix A—Nutrition Analysis Template (Exchange List Approach)	286
	Appendix B—Evaluating Food Servings Template (Exchange List Approach)	288
	Appendix C—Adult Weight Management Exchange List Answers	290
	1.2 Completing Nutrition Analysis (Exchange List Approach)	290
	1.3 Evaluating Foods Servings (Exchange List Approach)	292
G	Glossary	293
I	Index	296