Algorithm of Practice skills. Station №3 Diagnosis and treatment of common diseases in children (pediatrics, neonatology, children's infectious diseases)

neonatology, children's infectious diseases)		
Diagnosis	Algorithm of Practice skills	
Hypertension:	Assessment of the child's arterial	
– Primary	pressure by centile nomograms.	
 Secondary (congenital heart disease, glomerulonephritis) (Guideline for Screening and Management of High Blood Pressure in children and Adolescents. Pediatrics. 2017: 140 (3); e20171904) 	 Choose a nomogram to estimate the height of the child based on age and gender Assess growth of the child with nomogram Underline the result of evaluation of growth to age Choose nomohram to assess the child's blood pressure based on age, gender Assess the child's arterial pressure using nomograms Underline the result of evaluation of systolic blood pressure, depending on growth Underline the result of evaluation of dyastolic blood pressure, depending on growth Record an assessment of blood pressure Make a diagnosis based on clinical data. 	
	Follow-up	
Protein-energy	Assessment of physical development of a child:	
deficiency:	1. To find a point on the nomogram of body	
 Congenital heart disease Celiac disease Lactase Insufficiency Cystic fibrosis 1.Order of the Ministry of Health of Ukraine 15.07.2016 № 723 Unified clinical protocol of primary, secondary (specialized) and tertiary (highly specialized) medical care for cystic fibrosis 2.Order of the Ministry	 weight estimation to age and emphasize the result. 2. Estimate the body weight to the age 3. To find a point on the nomogram of body length estimation to the age and emphasize the result. 4. Estimate the body length to age. 5. Calculate using the calculator the body mass index and record the result. 6. To emphasize the result of evaluation of the body mass index to the age. 7. Evaluate body mass index to age. 8. Assessment of physical development of the child on the basis of data obtained. Make a diagnosis based on clinical data. 	
of Health of Ukraine № 149 of 20.03.2008		

"On approval of the	
Clinical Protocol of	
medical care for a	
healthy child under 3	
years of age"	
Diagnosis and	Assessment of physical development of a child:
treatment of obesity:	1. To find a point on the nomogram of body
•	weight estimation to age and emphasize the
– Alimentary	result.
– Hypothalamic	2. Estimate the body weight to the age
– Cushing syndrome	 2. Estimate the body weight to the age 3. To find a point on the nomogram of body
	length estimation to the age and emphasize
WHO Guideline.	the result.
Assessing and	4. Estimate the body length to age.
managing children at	5. Calculate using the calculator the body mass
primary health-care	index and record the result.
facilities to prevent	6. To emphasize the result of evaluation of the
overweight and obesity in the context of the	body mass index to the age.
double burden of	7. Evaluate body mass index to age.
malnutrition Updates	8. Assessment of physical development of the
for the Integrated	child on the basis of data obtained.
Management of	9. Make a diagnosis based on clinical data.
Childhood Illness	
(IMCI)3 October 2017.	
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Growth retardation:	Assessment of physical development of a child:
 pituitary dwarfism 	1. To find a point on the nomogram of body
 Turner syndrome 	weight estimation to age and emphasize the
	result.
Order of the Ministry of	2. Estimate the body weight to the age
Health of Ukraine of	3. To find a point on the nomogram of body
03.02.2009 No. 55	length estimation to the age and emphasize
"About the statement of	the result.
protocols of treatment	4. Estimate the body length to age.
of children with	5. Calculate using the calculator the body mass
endocrine diseases"	index and record the result.
	6. To emphasize the result of evaluation of the
	body mass index to the age.
	7. Evaluate body mass index to age.
	8. Assessment of physical development of the
	child on the basis of data obtained.
	9. Make a diagnosis based on clinical data.
Diagnosis and	Check for general danger signs:
treatment of	Ask, does jaundice present?
jaundice	When did the jaundice appear first?
	Check for jaundice.

(Unified clinical protocol of primary health care Integrated management of childhood diseases (order of the Ministry of Health of Ukraine №438 12.05.2016)	Lo If j Kr and Jau pa Pr Th Th are Th bil de	amer scale. Look d soles. Are they undice appearing a lms and soles are imary medical ca le general danger a lere are yellow fac	assess at the yellow after 2 not ye are ass signs a ce and c area 100 µ	the loc young ? 4 hour llow. sessme are abs eyes a is 1, th mol/l.	caliza infar s of a ent (I ent. nd ot he tot The	tion by nt`s pa nge, an MCI) her de cal seru Krame	lms d : rmic um er's
		Dermic area	1	2	3	4	5
		Total serum bilirubin (μmol/l)	100	150	200	250	>250
	"tr Pr Ac yo Ac sol Fo If j no	ake a conclusion a affic light". For ex imary medical ca lvice the mother to ung infant. lvice mother to re- les appear yellow. llow-up in 1 day. palms and soles an t decreased, advic k her to return for	xample are act o give turn in re not y	e: <i>Yell</i> tivity (home nmedia yellow nother	ow: J (IMC care : ately y, but hom	JAUN CI): for the if paln jaundi e care	DICE ons and ice has

Algorithm of Practice	If jaundice has started decreasing, reassure the mother and ask her to continue home care. Ask her to return for follow-up at 2 weeks of age. If the young infant is older than 7 days, and Kramer's dermic area is 5, refer to a hospital. If the young infant is older than 14 days, and jaundice has not decreased, refer to a hospital for assessment. Algorithm of actions of general practitioner
skills and treatment of diseases that are accompanied by cough or difficult breathing,	CHECK FOR GENERAL DANGER SIGNS:1.Ask: is the child able to drink or breastfeed?2.Does the child vomit everything?3.Has the child had convulsions?
pneumonia(Unifiedprotocolofprimary	4.See if the child is lethargic or unconscious5.Is the child convulsing now?DANGER PNEUMONY OR VERY SERIOUSDISEASES
health care Integrated management of childhood diseases (order of the Ministry of Health of Ukraine №438 12.05.2016)	 General signs of danger and action: 1. Refuse of food 2. Breast retraction in rest. 3. Fever 4. Lethargic 5. Convulsions 6. Rapid breathing 7. Asthmatic breathing 8. Stridor 9. Make a conclusion of the algorithm "traffic light". 4. Give the first dose of ampicillin 50mg\kg + gentamicin 7.5mg\kg intramuscularly 5. At the stridor, enter dexamethasone intramuscularly 6. Urgently send to the hospital
Diagnosis and treatment of local bacterial infection,	Algorithm of actions of general practitioner Check for signs of danger and other symptoms:
acute ear infection	Earache.Purulent discharge from the ear.
(Unified clinical protocol of primary health care Integrated management of childhood diseases (order of the Ministry	 Painful swelling behind the ear. Make a conclusion according to the algorithm "traffic light". Prescribe Paracetamol Oral Suspension (120 mg / 5 ml) 15 mg\kg 4 times per day, for 10 days.

of Health of Ukraine №438 12.05.2016)	 Prescribe Amoxicillin Oral Suspension (125 mg / 5 ml) 40 mg\kg 2 times per day for 5 days. Teach mother how to treat ear infection at home: Wash your hands. Make sponge from cotton. Enter sponge in the ear. Remove up sponge when it gets wet. Replace sponge until completely dry. Drip the ear drops 3 times per day. Observe how mother treat the baby for the first time. Prescribe to a consultation with an otolaryngologist. Inform the mother about conditions that require immediate re-treatment and re-examination. Re-examination In 2 days. If there is any improvement, recommend the mother: Continue prescribed treatment for 10 days. If the child's condition worsens and painful swelling appears behind the ear: To direct the
	baby to the hospital.
Diagnosis and	Algorithm of actions of general practitioner
treatment of	1. Ask the mother: Can a child drink and eat?
conditions associated	2. Does the child have vomiting after each meal
with problems in the	or drink?
throat	3. Did the child have cramps during this disease?
(Unified clinical	e ,
protocol of primary	5. Is the child having cramps at the moment?
health care Integrated management of	
childhood diseases	2. Ask if the child can drink, swallow?
(order of the Ministry	
of Health of Ukraine	4. Ask if the child has an increase in body
№438 12.05.2016)	temperature of 37.5 C or higher?
	5. See if there is a sore throat?
	6. See if there is soreness of the anterior cervical
	lymph nodes?
	General signs of danger and action:
	1. A plaque of the throat.
	2. Fever.
	3. Lack of cough and runny nose.
	4. Make a conclusion according to the algorithm
	"traffic light". For example: Yellow or Pink
	5. A smear for diphtheria from the pharynx and
	nose.

	 6. If suspected of diphtheria - urgent hospitalization. 7. Give amoxicillin orally 40 mg/kg 2 times a day for 10 days. 8. Paracetamol 15 mg\kg orally. 9. Treat at home. 10. Inform mother of conditions requiring immediate medical attention. 11. Re-examination after 2 days. Re-evaluate if there are problems with the throat. Take your baby's body temperature. If improving, continue treatment with an antibacterial drug with a total duration of 10 days.
Diagnosis and	Algorithm of actions of general practitioner
treatment of local	1
bacterial infection of the baby's umbilical	8 8
wound	Conclusion by the algorithm of the traffic light.
(Unified clinical	
protocol of primary	•
health care Integrated	
management of	e
childhood diseases	
(order of the Ministry	• •
of Health of Ukraine	"traffic light". 5. Brasserika Amagicaillin Oral Sugnangian (125
№438 12.05.2016)	5. Prescribe Amoxicillin Oral Suspension (125 mg / 5 ml) 2.5 ml 2 times per day for 5 days.
	6. Teach mother how to treat a local infection at
	home: Wash your hands. Carefully wash the
	umbilical wound with boiled water. Dry the
	umbilical wound. Lay down Methylenum
	coeruleum solution in ethanol. Wash your
	hands.
	7. Observe how mother treat the baby for the first time.
	8. Inform the mother about conditions that require
	immediate re-treatment.
	9. Re-examination in 2 days.
	10. If there is any improvement, recommend the
	mother. Continue prescribed treatment for 5
	days.
	11. If the redness of the umbilical wound
	persists or purulent discharge appears, or the
	condition worsens: To direct the baby to the
	hospital.

Consultation of	Consultation of mother on breastfeeding
Consultation of mother on breastfeeding (Unified clinical protocol of primary health care Integrated management of childhood diseases (order of the Ministry of Health of Ukraine №438 12.05.2016)	 Make a conclusion about breastfeeding <i>Teach mother how properly hold the baby during breastfeeding</i> Position of the baby during breastfeeding Body and head of the baby should be placed: on the same line When the baby stretches to the nipple, his nose must be: opposite the nipple Mother holds: all body of the baby Touch with nipple: lips of the baby Wait until the baby broadly opens the mouth, quickly put the baby to the breast lower lip of the baby should be under the nipple Choose the picture where the child correctly
	placed during breastfeeding
	Picture 1 Picture 2
	 Teach mother how care about the baby at home Feed the baby exclusively with breast milk Feed the baby so often and so long as baby want Advise mother how to care about the baby at home Re-examination in 2 days
Children's infectious	Algorithm of doctor's actions
disease: Diagnosis and treatment of acute non-bacterial tonsillopharyngitis	 Evaluate complaints and anamnesis data (features of epidemiological history, presence of contacts with a patient with streptococcal infection, features of disease onset, duration of disease) Evaluate the results of the child's examination
(UnifiedclinicalprotocolofprimaryhealthcareIntegratedmanagementofchildhooddiseases	(state of consciousness, signs of danger - hyperthermia, convulsions, refusal to eat, shortness of breath, difficulty breathing with the accessory chest muscles; symptoms of intoxication, body temperature, runny nose,

(order of the Ministry of Health of Ukraine №438 12.05.2016)	 cough, pain in the anterior lymph nodes, condition of the skin, generalized rash on the skin, bright redness of the mucous membrane of the oral pharynx, the presence of plaque on the tonsils) 3. Formulate a diagnosis. 4. Give one dose of Ibuprofen, a single dose of 10 mg / kg 5. Give Azithromycin at a dose of 10 mg / kg per day (per os) in the presence of plaque on the tonsils. 6. Rinse the child's throat with a solution of furacillin 7. Intravenously inject Ringer's lactate solution 20 ml / kg in severe intoxication 8. Inform the mother of conditions that require immediate re-treatment 9. In the absence of severe signs of the disease to carry out treatment at home. Bed rest during the acute period. 10. Take a swab from the throat and nose in the presence of plaque on the tonsils 11. Re-examination in 2 days.
Children's infectious	Algorithm of doctor's actions
Children's infectious disease:	Algorithm of doctor's actions 1.Evaluate complaints and anamnesis data
	1.Evaluate complaints and anamnesis data (features of the history, the presence of contacts
disease: Diagnosis and treatment of	1.Evaluate complaints and anamnesis data (features of the history, the presence of contacts with a patient with chickenpox, the peculiarities of
disease: Diagnosis and treatment of chickenpox without	1.Evaluate complaints and anamnesis data (features of the history, the presence of contacts with a patient with chickenpox, the peculiarities of the onset of the disease, the duration of the
disease: Diagnosis and treatment of	1.Evaluate complaints and anamnesis data (features of the history, the presence of contacts with a patient with chickenpox, the peculiarities of the onset of the disease, the duration of the disease)
disease: Diagnosis and treatment of chickenpox without complications	1.Evaluate complaints and anamnesis data (features of the history, the presence of contacts with a patient with chickenpox, the peculiarities of the onset of the disease, the duration of the disease)2. Evaluate the results of the child's examination
disease: Diagnosis and treatment of chickenpox without	1.Evaluate complaints and anamnesis data (features of the history, the presence of contacts with a patient with chickenpox, the peculiarities of the onset of the disease, the duration of the disease)
disease: Diagnosis and treatment of chickenpox without complications (According to the Order of the Ministry of Health of Ukraine №	 1.Evaluate complaints and anamnesis data (features of the history, the presence of contacts with a patient with chickenpox, the peculiarities of the onset of the disease, the duration of the disease) 2. Evaluate the results of the child's examination (state of consciousness, signs of danger -
disease: Diagnosis and treatment of chickenpox without complications (According to the Order of the Ministry of Health of Ukraine № 354 from 09.07.2004	 1.Evaluate complaints and anamnesis data (features of the history, the presence of contacts with a patient with chickenpox, the peculiarities of the onset of the disease, the duration of the disease) 2. Evaluate the results of the child's examination (state of consciousness, signs of danger - hyperthermia, convulsions, refusal to eat, shortness of breath, difficulty breathing with the accessory muscles of the chest; symptoms of
disease: Diagnosis and treatment of chickenpox without complications (According to the Order of the Ministry of Health of Ukraine № 354 from 09.07.2004 "Protocol of diagnosis	 1.Evaluate complaints and anamnesis data (features of the history, the presence of contacts with a patient with chickenpox, the peculiarities of the onset of the disease, the duration of the disease) 2. Evaluate the results of the child's examination (state of consciousness, signs of danger - hyperthermia, convulsions, refusal to eat, shortness of breath, difficulty breathing with the accessory muscles of the chest; symptoms of intoxication, body temperature, skin condition,
disease: Diagnosis and treatment of chickenpox without complications (According to the Order of the Ministry of Health of Ukraine № 354 from 09.07.2004 "Protocol of diagnosis and treatment of	 1.Evaluate complaints and anamnesis data (features of the history, the presence of contacts with a patient with chickenpox, the peculiarities of the onset of the disease, the duration of the disease) 2. Evaluate the results of the child's examination (state of consciousness, signs of danger - hyperthermia, convulsions, refusal to eat, shortness of breath, difficulty breathing with the accessory muscles of the chest; symptoms of intoxication, body temperature, skin condition, generalized rash on the skin of the torso , face,
disease: Diagnosis and treatment of chickenpox without complications (According to the Order of the Ministry of Health of Ukraine № 354 from 09.07.2004 "Protocol of diagnosis	 1.Evaluate complaints and anamnesis data (features of the history, the presence of contacts with a patient with chickenpox, the peculiarities of the onset of the disease, the duration of the disease) 2. Evaluate the results of the child's examination (state of consciousness, signs of danger - hyperthermia, convulsions, refusal to eat, shortness of breath, difficulty breathing with the accessory muscles of the chest; symptoms of intoxication, body temperature, skin condition, generalized rash on the skin of the torso , face, limbs, scalp, itchy skin, mouth ulcers, purulent
disease: Diagnosis and treatment of chickenpox without complications (According to the Order of the Ministry of Health of Ukraine № 354 from 09.07.2004 "Protocol of diagnosis and treatment of	 1.Evaluate complaints and anamnesis data (features of the history, the presence of contacts with a patient with chickenpox, the peculiarities of the onset of the disease, the duration of the disease) 2. Evaluate the results of the child's examination (state of consciousness, signs of danger - hyperthermia, convulsions, refusal to eat, shortness of breath, difficulty breathing with the accessory muscles of the chest; symptoms of intoxication, body temperature, skin condition, generalized rash on the skin of the torso , face, limbs, scalp, itchy skin, mouth ulcers, purulent discharge from the eyes)
disease: Diagnosis and treatment of chickenpox without complications (According to the Order of the Ministry of Health of Ukraine № 354 from 09.07.2004 "Protocol of diagnosis and treatment of	 1.Evaluate complaints and anamnesis data (features of the history, the presence of contacts with a patient with chickenpox, the peculiarities of the onset of the disease, the duration of the disease) 2. Evaluate the results of the child's examination (state of consciousness, signs of danger - hyperthermia, convulsions, refusal to eat, shortness of breath, difficulty breathing with the accessory muscles of the chest; symptoms of intoxication, body temperature, skin condition, generalized rash on the skin of the torso , face, limbs, scalp, itchy skin, mouth ulcers, purulent
disease: Diagnosis and treatment of chickenpox without complications (According to the Order of the Ministry of Health of Ukraine № 354 from 09.07.2004 "Protocol of diagnosis and treatment of	 1.Evaluate complaints and anamnesis data (features of the history, the presence of contacts with a patient with chickenpox, the peculiarities of the onset of the disease, the duration of the disease) 2. Evaluate the results of the child's examination (state of consciousness, signs of danger - hyperthermia, convulsions, refusal to eat, shortness of breath, difficulty breathing with the accessory muscles of the chest; symptoms of intoxication, body temperature, skin condition, generalized rash on the skin of the torso , face, limbs, scalp, itchy skin, mouth ulcers, purulent discharge from the eyes) 3. Formulate a diagnosis. 4. Give one dose of paracetamol (single dose of 15 mg / kg)
disease: Diagnosis and treatment of chickenpox without complications (According to the Order of the Ministry of Health of Ukraine № 354 from 09.07.2004 "Protocol of diagnosis and treatment of	 1.Evaluate complaints and anamnesis data (features of the history, the presence of contacts with a patient with chickenpox, the peculiarities of the onset of the disease, the duration of the disease) 2. Evaluate the results of the child's examination (state of consciousness, signs of danger - hyperthermia, convulsions, refusal to eat, shortness of breath, difficulty breathing with the accessory muscles of the chest; symptoms of intoxication, body temperature, skin condition, generalized rash on the skin of the torso , face, limbs, scalp, itchy skin, mouth ulcers, purulent discharge from the eyes) 3. Formulate a diagnosis. 4. Give one dose of paracetamol (single dose of 15 mg / kg) 5. Inject Cefotaxime 50 mg / kg intramuscularly in
disease: Diagnosis and treatment of chickenpox without complications (According to the Order of the Ministry of Health of Ukraine № 354 from 09.07.2004 "Protocol of diagnosis and treatment of	 1.Evaluate complaints and anamnesis data (features of the history, the presence of contacts with a patient with chickenpox, the peculiarities of the onset of the disease, the duration of the disease) 2. Evaluate the results of the child's examination (state of consciousness, signs of danger - hyperthermia, convulsions, refusal to eat, shortness of breath, difficulty breathing with the accessory muscles of the chest; symptoms of intoxication, body temperature, skin condition, generalized rash on the skin of the torso , face, limbs, scalp, itchy skin, mouth ulcers, purulent discharge from the eyes) 3. Formulate a diagnosis. 4. Give one dose of paracetamol (single dose of 15 mg / kg) 5. Inject Cefotaxime 50 mg / kg intramuscularly in case of complications
disease: Diagnosis and treatment of chickenpox without complications (According to the Order of the Ministry of Health of Ukraine № 354 from 09.07.2004 "Protocol of diagnosis and treatment of	 1.Evaluate complaints and anamnesis data (features of the history, the presence of contacts with a patient with chickenpox, the peculiarities of the onset of the disease, the duration of the disease) 2. Evaluate the results of the child's examination (state of consciousness, signs of danger - hyperthermia, convulsions, refusal to eat, shortness of breath, difficulty breathing with the accessory muscles of the chest; symptoms of intoxication, body temperature, skin condition, generalized rash on the skin of the torso , face, limbs, scalp, itchy skin, mouth ulcers, purulent discharge from the eyes) 3. Formulate a diagnosis. 4. Give one dose of paracetamol (single dose of 15 mg / kg) 5. Inject Cefotaxime 50 mg / kg intramuscularly in

Children's infectious disease:	 7. Give a specific zoster-immunoglobulin - 0.2 ml / kg intramuscularly in severe chickenpox 8. Lubricate the vesicles with a 1% solution of diamond green 9. Rinse your mouth after each meal with a solution of furacillin 10. Direct the child to the boxed ward of the hospital Algorithm of doctor's actions 1. Evaluate complaints and anamnesis data
Diagnosis and treatment of measles	(features of the history, the presence of contact with a patient with measles, the peculiarities of the
with complications	onset of the disease, the duration of the disease,
(Unified clinical protocol of primary	the presence of vaccination in a child)2. Evaluate the results of the child's examination
health care Integrated	(state of consciousness, signs of danger -
management of	hyperthermia, convulsions, refusal to eat,
childhood diseases (order of the Ministry	shortness of breath, difficulty breathing with the help of auxiliary muscles of the chest; symptoms
of Health of Ukraine №438 12.05.2016)	of intoxication, body temperature, skin condition, generalized rash and one of the following signs: cough, runny nose or redness of the eyes, mouth ulcers, purulent discharge from the eyes, corneal
	opacity)
	 3. Formulate a diagnosis. 4. Give one dose of paracetamol (single dose of 15 mg / kg)
	5. Inject Cefotaxime 50 mg / kg intramuscularly in the presence of pneumonia
	6. Give vitamin A 200 thousand IU at a time
	7. In case of purulent discharge from the eyes, remove the pus with gauze and boiled water.
	Instill 0.02% solution of decamethoxine 2 drops in
	both eyes 4-6 times a day
	8. For mouth ulcers, treat the oral mucosa with a 1% aqueous solution of methylene blue
	9. Inform the mother of conditions that require
	immediate re-treatment
Childron's infections	10. Re-examination in 3 days
Children's infectious disease:	Algorithm of doctor's actions 1.Evaluate complaints and anamnesis data
Diagnosis and	(features of epidemiological history, presence of
treatment of	contacts with a patient with diphtheria or sore
diphtheria	throat, features of disease onset, diphtheria
	vaccination)

(Order of the Ministry of Health of Ukraine №354 09.07.2004 Protocol for diagnosis and treatment of diphtheria in children)	 Evaluate the results of the child's examination (state of consciousness, signs of danger - hyperthermia, convulsions, refusal to eat, shortness of breath, difficulty breathing with the accessory muscles of the chest; symptoms of intoxication, body temperature, cough, runny nose, skin condition, condition lymph nodes, the presence of plaque on the tonsils and their prevalence, redness of the mucous membrane of the oropharynx, swelling, tachycardia) Formulate a diagnosis. Inject intramuscular diphtheria antitoxin at a dose of 50,000 IU after a negative reaction during the test Give one dose of Ibuprofen, a single dose of 10 mg / kg Give ceftriaxone at a dose of 100 mg / kg per day intravenously administer prednisolone at a dose of 2 mg / kg in moderate form Rinse the child's throat with a solution of furacillin Intravenously inject a solution of 0.9% sodium chloride 20 ml / kg / day in severe intoxication 11. Direct the child to the boxed department of the infectious disease hospital urgently Take a swab from the throat and nose in the
	presence of plaque on the tonsils
Children's infectious	Algorithm of doctor's actions
disease:	1. Evaluate complaints and anamnesis data
Diagnosis and	(peculiarities of epidemiological history, presence
treatment of secretory	of contacts with a patient with intestinal infection,
diarrhea (Unified clinical	peculiarities of disease onset, duration of disease) 2. Evaluate the results of the child's examination
protocol of primary	(state of consciousness, signs of danger -
health care Integrated	hyperthermia, convulsions, refusal to eat,
management of	shortness of breath, difficulty breathing with the
childhood diseases	accessory muscles of the chest, dehydration;
(order of the Ministry	symptoms of intoxication, body temperature, skin
of Health of Ukraine	condition, tissue turgor, condition of the big toe,
№438 12.05.2016)	"inflamed" eyes, condition of mucous membranes,
	presence of signs of CNS damage, condition of
	lymph nodes, presence of symptoms of respiratory
	and cardiovascular system damage, condition of

Childron's infostious	 gastrointestinal tract, urinary system, number and character of stools, presence of blood in the stool) 3. Formulate a diagnosis. 4. Continue breastfeeding as needed 5. Give ORS 500 - 700 ml for 4 hours, then continue to give fluids in addition to the disappearance of symptoms (with moderate dehydration) 6. Intravenous administration of Ringer-Lactate solution 30 ml / kg for 1 hour and 70 ml / kg for the next 5 hours (in severe dehydration) 7. Give one dose of paracetamol (single dose of 15 mg / kg) 8. Inject Cefotaxime 50 mg / kg intramuscularly in the presence of complications (hemocolitis) 9. Refer the child to the boxed department of the hospital urgently in case of complications 10. Inform the mother of conditions that require immediate re-treatment. If there are no other severe manifestations, treat at home.
Children's infectious disease	Algorithm of doctor's actions 1. Evaluate complaints and anamnesis data
Diagnosis and	(peculiarities of epidemiological history, presence
treatment of	of contacts with a patient with intestinal infection,
hemocolitis with	peculiarities of disease onset, duration of disease)
dehydration	2. Evaluate the results of the child's examination
(Unified clinical	(state of consciousness, signs of danger -
protocol of primary	hyperthermia, convulsions, refusal to eat,
health care Integrated	shortness of breath, difficulty breathing with the
management of	accessory muscles of the chest, dehydration;
childhood diseases (order of the Ministry of Health of Ukraine №438 12.05.2016)	 symptoms of intoxication, body temperature, skin condition, tissue turgor, condition of the big toe, "inflamed" eyes, condition of mucous membranes, presence of signs of CNS damage, condition of lymph nodes, presence of symptoms of respiratory and cardiovascular system damage, condition of gastrointestinal tract, urinary system, number and nature of stools, presence of blood in the stool) 3. Formulate a diagnosis. 4. Continue breastfeeding as needed 5. Give ORS 450 - 700 ml for 4 hours, then continue to give fluid in addition to the disappearance of symptoms (with moderate dehydration)

	6. Intravenous administration of Ringer-Lactate
	solution 30 ml / kg for 1 hour and 70 ml / kg for
	the next 5 hours (in severe dehydration)
	7. Give one dose of paracetamol (single dose of 15 (1)
	mg/kg
	8. Inject Cefotaxime 50 mg / kg intramuscularly in
	the presence of complications (hemocolitis)
	9. Direct the child to the boxed department of the
Children's infectious	hospital urgently
disease:	Algorithm of doctor's actions
	1. Evaluate complaints and anamnesis data (features of the history, the presence of contacts
Diagnosis and treatment of scarlet	with a patient with streptococcal infection,
fever without	features of the onset of the disease, the duration of
complications	the disease)
complications	2. Evaluate the results of the child's examination
(According to the Order	(state of consciousness, signs of danger -
of the Ministry of	hyperthermia, convulsions, refusal to eat,
Health of Ukraine №	shortness of breath, difficulty breathing with the
354 from 09.07.2004	accessory muscles of the chest; symptoms of
"Protocol of diagnosis	intoxication, body temperature, skin condition,
and treatment of scarlet	lymph node condition, generalized skin rash, sore
fever")	throat, limited hyperemia of the soft palate
,	(burning throat), white dermographism,
	tachycardia, increased blood pressure)
	3. Formulate a diagnosis.
	4. Give one dose of Ibuprofen, a single dose of 10 mg / kg
	5. Give azithromycin at a dose of 10 mg / kg per day (per os)
	6. Rinse the child's throat with a solution of
	furacillin
	7. Assign Askorutin 1 tablet 2 times a day
	8. Dates per os Loratadine 1 tablet 1 time per day
	9. Intravenously inject Ringer's lactate solution 20
	ml / kg in severe intoxication
	10. Inform the mother of conditions that require
	immediate re-treatment
	11. In the absence of severe signs of the disease to
	carry out treatment at home. Bed rest during the
	acute period.
	12. Take a swab from the throat and nose in the
	presence of plaque on the tonsils
	13. Re-examination in 2 days.
Children's infection	Algorithm of doctory's actions
Children's infectious	Algorithm of doctor's actions

disease:	1. Evaluate complaints and history (features of the
Algorithm for the	history, the presence of contact with a patient with
diagnosis and	rubella, the peculiarities of the onset of the disease,
treatment of rubella	the duration of the disease, the presence of
in children	vaccination in a child)
(according to the Unified Clinical	2. Evaluate the results of the child's examination
Protocol of Primary	(state of consciousness, signs of danger -
Health Care Integrated	hyperthermia, convulsions, refusal to eat, shortness
Management of	of breath, difficulty breathing with the accessory
Childhood Illness (order	muscles of the chest; symptoms of intoxication,
of the Ministry of Health of Ukraine	body temperature, skin condition, lymph node condition, generalized skin rash, the presence of
№354 від 09.07.2004)	enanthema)
	,
	3. Formulate a diagnosis.
	4. Give one dose of paracetamol (single dose of 15 mg / kg)
	5. Inject Cefotaxime 50 mg / kg intramuscularly in
	case of complications
	6. Soften the child's throat with a warm drink
	7. Send the child's blood to determine Ig M to the pathogen by ELISA
	8. Inform the mother of conditions that require immediate re-treatment
	9. In the absence of severe signs of the disease to carry out treatment at home. Bed rest during the acute period.
	10. Re-examination in 2 days.
Algorithm of	Algorithm of communication between a student
communication	and parents of a hybrid patient with
between a student and parents of a hybrid	pneumonia1. Say hello and tell your name and surname.
patient with	2. Ask for the mother's name.
pneumonia	3. Ask mother about child for his(her) name and
(Unified clinical	age (in years or months).
protocol of primary	4. Ask:
health care Integrated management of	
childhood diseases	7. Did the child have convulsions during this
(order of the Ministry	-
of Health of Ukraine	8. Appreciate:
№438 12.05.2016)	

9. Is the child not lethargic, is he conscious?
(Information will provide by the examinator).
10. Does the child have convulsions at the
moment? (Information will provide by the
examinator).
11. Does the child have a cough or difficulty
breathing?
12. If so, ask: How long does the cough and
shortness of breath last?
13. Ask:
14. Does the child have frequent loose stools?
15. Does the child have ear problems?
16. Does the child have a throat problem?
17. Does the child have a fever?
18. How many days does she have a fever?
19. Appreciate: does the child have a skin rash?
(Information provided by the examiner)
20. I am calculating the respiratory rate per minute
(Information will provide by the examiner).
21. I am determining if there is a chest retraction.
(Information will provide by the examiner).
22. Assess the presence of stridor.
23. Assess the presence of asthma breathing,
wheezing in the lungs.
24. Assess the presence of signs of danger in the
child such as prolonged cough, chest retraction,
wheezing, fever.
25. Classify diseases according to the system of
integrated management of childhood diseases.
26. With asthma breathing and rapid breathing or
chest retraction: Give a fast-acting aerosol
bronchodilator through a spacer up to 3 times in
15-20 minutes. (Take the spacer and inhaler.
Remove the cap from the inhaler and insert it into
the spacer slot opposite the mask. Apply the
spacer mask to the child's face with the narrow
end to the nose and press the inhaler spray twice.
Wait for the child to inhale the air mixture). 27 Give a first daga of (Amaxiaillin) 50 mg / kg
27. Give a first dose of «Amoxicillin» 50 mg / kg
and «Gentamicin» 7.5 mg / kg intramuscularly
(IM).
28. To prevent the development of hypoglycemia
during transportation, offer to feed the baby.
29. Take the child to the hospital with an
ambulance.
30. Wish recovery and say goodbye.

Algorithm of communication of a student with a hybrid	Algorithm of communication of a student with a hybrid patient's parents with probable pneumonia.
patient's parents	1. Say hello and give your first and last name.
with probable	2. Ask the mother's name.
pneumonia	3. Ask the child's name and how old he or she is.
(Unified clinical	4. Ask:
protocol of primary	5. Is the child able to drink or breastfeed?
health care Integrated	6. Does the child vomit everything?
management of	7. Has the child had convulsion?
childhood diseases	8. Look:
(order of the Ministry	9. if the child is lethargic or unconscious.
of Health of Ukraine	(Information provided by the teacher)
№438 12.05.2016)	10. Is the child convulsing now?
	(Information provided by the teacher)
	11. Does the child have cough or difficult
	breathing?
	12. If yes, ask: For how long?
	13. Ask:
	14. Does the child have diarrhea?
	15. Does the child have an ear problem?
	16. Does the child have a throat problem?
	17. Does the child have fever?
	18. To what degree did the temperature rise?
	19. How many days does the temperature
	20. Look: does the child have a skin rash?
	(Information provided by the teacher)
	21. Count the breaths in one minute.
	(Information provided by the teacher)
	22. Look for chest indrawing. (Information
	provided by the teacher) 23. Look and listen for stridor.
	23. Look and listen for wheezing
	25. Assess the presence of signs of danger in
	the child such as prolonged cough, chest
	retraction, wheezing, fever.
	26. Classify diseases according to the system of
	Integrated Management of Childhood
	Illness.
	27. If wheezing with either fast breathing or
	chest indrawing: Give a trial of rapid
	acting inhaled bronchodilator for up to
	three times 15-20 minutes apart. C (Take
	the spacer and inhaler. Remove the cap from
	the inhaler and insert it into the spacer slot

	 opposite the mask. Place the spacer mask on the child's face with the narrow end to the nose and press the inhaler spray twice. Wait for the child to inhale the air mixture). 28. Give oral Amoxicillin (suspension 125)
	mg/5ml) in a single dose of 40 mg / kg 2 times a day. for 5 days 29. Soothe the throat and relieve the cough
	with a safe remedy 30. 30. Inform the mother: "If the child's condition worsens or the child finds it
	difficult to breathe, seek help immediately or call an ambulance." 31. Follow-up in 2 days
	32. Goodbye
Algorithm of student communication during conversation with	Algorithm of student communication during conversation with parents of hybrid patient with bronchial asthma.
parents of hybrid	1. Say hello and give your first and last name.
patient with bronchial asthma	2. Ask what is the mother's name.
(Unified clinical	3. Ask the child's name and age (in years or months)
protocol of primary	4. Ask:
management of childhood diseases (order of the Ministry	
of Health of Ukraine №438 12.05.2016)	9. Is a child not lethargic, is he conscious?10. Does the child have seizures at the moment?
J≌+38 12.05.2010)	11.Ask:
	12. Does the child have a cough or difficulty breathing?
	13. How long does the child have a cough?14. When did he have difficulty breathing?15. Does the child have frequent loose stools?
	16. Does the child have ear problems?17. Does the child have a throat problem?
	18. Does the child have a fever?
	19. If so, ask: How long?
	20. Look, listen:21. Count the respiratory rate per minute
	(Information is given by the teacher during the exam)
	22. See is there a chest retraction? (Information is given by the teacher during the exam)

23. Look and listen to see is there a stridor? (after
auscultation say aloud if stridor is present)
24. Look and listen is there a asthma breathing
•
(say aloud after auscultation if there is asthma
breathing present)
25. Evaluate: the presence of danger signs such as
cough, chest retraction, asthma breathing,
prolonged exhalation (vising) and wheezing over
the lungs
26. For asthmatic breathing, rapid breathing or
chest retraction: Give a fast-acting aerosol
•
bronchodilator up to 3 times in 15-20 minutes
through a spacer. (Take the spacer and inhaler
with the dispenser (100 mcg / press)) Remove the
cap from the inhaler and insert it into the slot of
the spacer opposite the mask. Place the spacer
mask on the child's face with the narrow end
towards the nose and press the inhaler can 2 times.
Wait for the child to inhale the air-medical
mixture). Repeat times every 15 minutes up to 3,
and then assess the child's condition.
27.Count the respiratory rate and see again is there
a chest retraction. (Information is provided by the
teacher).
28. Listen again and evaluate the presence or
absence of asthma breathing, then classify.
•
29. Make a preliminary conclusion on a possible
diagnosis according to the system of integrated
management of Childhood Illness.
30. Prescribe salbutamol for 5 days.
31. Prescribe oral amoxicillin (suspension 125 mg
/ 5 ml) in a single dose of 40 mg / kg 2 times a day
for five days.
32. Recommend to alleviate the cough with a safe
warm drink.
33. Specify is this the first coughing fit or the
child already has had it before?
34. If this condition occurs, refer the child to
pulmonologist for a consultation.
35. Advise the mother: if the child's condition
worsens and attack of coughing and heavy
breathing occurs again, then urgently seek help
from you, or call an ambulance.
36. Appoint the next examination in 2 days.
37. Wish to recovery and say goodbye!

Algorithm of student	Algorithm of student communication with
communication with	parents of a hybrid patient with obstructive
parents of a hybrid	bronchitis
patient with	
obstructive bronchitis	1. Say hello and call your name.
(Unified clinical	2. Ask the mother's name.
protocol of primary	
health care Integrated	
management of	
childhood diseases	6. Does the child vomit after each meal or drink?
(order of the Ministry	7. Did the child have seizures during this disease?
of Health of Ukraine	8. Look:
№438 12.05.2016)	9. Is a child not lethargic, is he conscious?
	(Information provided by the teacher)
	10. Does the child have seizures at the moment?
	(Information provided by the teacher)
	11. Ask:
	12. Does the child have a cough or difficulty
	breathing?
	13. How long does a cough last?
	14. When did you have difficulty breathing?
	15. Does the child have frequent loose stools?
	16. Does the child have ear problems?
	17. Does the child have a throat problem?
	18. Does the child have a fever?
	19. If so, ask: How long, to what numbers did
	the temperature rise?
	20. Look at whether a skin rash. (Information is
	given by the teacher during the exam)
	21. Calculate the respiratory rate per minute
	(Information is given by the teacher during the
	exam)
	22. See if there is a chest retraction.
	(Information is given by the teacher during the
	exam)
	23. Look and listen to if there is a stridor (after
	auscultation say aloud if there is a stridor)
	24. Look and listen for asthma breathing (after
	auscultation say aloud whether asthma breath)
	25. Assess: signs of danger such as cough, chest
	tightness, asthma breathing, prolonged
	exhalation and wheezing over the lungs, fever.
	26. For asthma breathing, rapid breathing or
	chest retraction: Give a fast-acting aerosol
	bronchodilator up to 3 times in 15-720 minutes
	through a spacer. Take a spacer and inhaler

	 with a dispenser (100 mcg / press). Remove the cap from the inhaler and insert it into the slot of the spacer opposite the mask. Apply the spacer mask on the child's face with the narrow end to the nose and press the inhaler twice. Wait until the child inhales the air-drug mixture. Repeat up to 3 times every 15 minutes, then assess the child's condition. 27. Calculate the respiration rate and see again if there is chest retraction. (Information is provided by the teacher). 28. Listen again and evaluate the presence or absence of asthma breathing, then classify. 29. Make a preliminary conclusion about the possible diagnosis of the system of integrated management of childhood diseases. 30. Enter the first dose of amoxicillin 50 mg / kg and gentamicin 7.5 mg / kg intramuscularly. 31. Advise the mother to breastfeed a baby or give formula until the ambulance arrives. 32. Ask the mother if she has warm clothes for the baby to keep the baby warm on the way. 33. Say loudly: The ambulance is called; I direct you with the child to a hospital.
Algorithm of	34. Wish recovery and say goodbye.Algorithm of communication of the student
communication of	1 7 1
the student with parents of the hybrid	foreign body of respiratory tracts
patient sick of a	1. Say hello and give your first and last name.
foreign body of	2. Ask the mother's name.
respiratory tracts	3. Ask the child's name and age.
(Unified clinical	4. Ask:
protocol of primary	5. Can the baby drink, eat or breastfeed?
health care Integrated	
management of	E E
childhood diseases (order of the Ministry	8. Look:
of Health of Ukraine	9. Isn't the child lethargic or conscious?
№438 12.05.2016)	(Information provided by the teacher)
	10. Does the child have seizures at the moment?
	(Information provided by the teacher)
	11. Ask:
	12. Does the child have a cough or difficulty
	breathing?

13. How long does a cough last?
14. After which there was a cough?
15. When did you have difficulty breathing?
16. Does the child have frequent loose stools?
17. Does the child have ear problems?
18. Does the child have a throat problem?
19. Does the child have a fever?
20. If so, ask: How long, to what numbers did the
temperature rise?
21. Calculate the respiratory rate per minute
(Information is given by the teacher during the exam)
22. See if there is a chest retraction. (Information
is given by the teacher during the exam)
23. Look and listen to see if there is stridor (after
auscultation say aloud if there is stridor, difficulty
breathing)
24. Look and listen for asthma breathing (say
aloud after auscultation if you have asthma
breathing)
25. Assess: the presence of signs of danger such
as prolonged cough, chest retraction, stridor on
inhalation.
26. For asthmatic breathing, rapid breathing or
chest retraction: Give a fast-acting aerosol
bronchodilator up to 3 times in 15-20 minutes
through a spacer. (Take the spacer and inhaler with
the dispenser (100 mcg per dose). Remove the cap
from the inhaler and insert it into the slot of the
spacer opposite the mask. Apply the spacer mask
on the child's face with the narrow end to the nose
and press the inhaler can twice. Wait until the child
inhales the air-medicine mixture). Repeat up to 3
times every 15 minutes, then assess the child's
condition.
27. Calculate the respiration rate and see again if
there is chest retraction. (Information is provided
by the teacher).

	28. Listen again and evaluate the presence or
	absence of asthma breathing or stridor, then
	classify.
	29. Make a preliminary conclusion about the
	possible diagnosis according to Integrated
	Management of childhood diseases.
	30. Administer the first dose of amoxicillin 50
	mg / kg and gentamicin 7.5 mg / kg
	intramuscularly.
	31. Encourage the mother to feed the baby before
	the ambulance arrives.
	32. Ask the mother if she has warm clothes for the
	baby to keep the baby warm on the way.
	33. Say out loud: The ambulance is called; I
	direct you with the child to a hospital.
	34. Wish recovery and say goodbye.
Algorithm of	
communication of a	parents of a hybrid patient with acute stenotic
student with parents	laryngotracheitis (child of the first year of life)
of a hybrid patient with acute stenotic	1. Say hello and give your first and last name.
laryngotracheitis	2. Ask the mother's name.
(Unified clinical	3. Ask the child's name and age or months.
protocol of primary	4. Ask:
health care Integrated	5. Can a baby drink or breastfeed?
management of childhood diseases	
(order of the Ministry	drink? 7 Did the child have seizures during this
of Health of Ukraine	7. Did the child have seizures during this disease?
№438 12.05.2016)	8. Look:
	9. Is a child not lethargic, is he conscious?
	(Information is given by the teacher)
	10.Does the child have seizures at the moment?
	(Information is given by the teacher)
	11.Ask:
	12.Does the child have a cough or difficulty
	breathing?
	13.If yes, ask: How long, how many days lasting cough? When did shortness of
	breath occur?
	14.Ask:
	15.Does the child have frequent loose stools?
	16.Does the child have ear problems?

17.Does the child have a throat problem?
18.Does the child have a fever?
19.If so, ask: How long, to what numbers did
the temperature rise? What is the
temperature now? (Information is given
by the teacher during the exam)
20.Look whether there is a rash on the skin.
(Information is given by the teacher
during the exam)
21.Calculate the frequency of breaths per
minute (Information is given by the
teacher during the exam)
22.See if there is a chest retraction
(Information is given by the teacher
during the exam)
23. Look and listen to see if there is a stridor
(after auscultation say aloud if there is a
stridor)
24. Look and listen for asthma breathing (say
aloud after auscultation if you have
-
asthma breathing) 25 Evaluate: the presence of signs of danger
25. Evaluate: the presence of signs of danger such as cough, chest retraction, stridor,
prolonged breathing, rapid breathing,
fever.
26. With asthma breathing, rapid breathing or
chest retraction: Give a fast-acting aerosol
-
bronchodilator up to 3 times in 1520
minutes through the spacer. (Take the spacer
and inhaler. Remove the cap from the inhaler
and insert it into the spacer slot opposite the
mask. Wait until the baby breathe airborne
drug mixture).
27.In case of body temperature above 38.5 give
one dose of antipyretic drug (paracetamol 15
mg / kg or ibuprofen 10 mg / kg)
28.Calculate the respiratory rate and look again
to see if there is stridor, if there is prolonged
breathing, if there is chest retraction.
(Information is provided by the teacher).
Then classify.
29. Make a preliminary conclusion about a
possible diagnosis according to the system

	 of integrated management of childhood diseases. 30.Inject the first dose of amoxicillin 50 mg / kg and gentamicin 7.5 mg / kg intramuscularly. 31.Recommend to the mother feed the baby breast milk or formula before the ambulance arrives. 32.Say aloud: The ambulance is called; I direct you with the child to a hospital. 33.Wish recovery and say goodbye.
Algorithm of communication of a student with parents of a hybrid patient with acute stenotic laryngotracheitis (Unified clinical protocol of primary health care Integrated management of childhood diseases (order of the Ministry of Health of Ukraine №438 12.05.2016)	 Algorithm of communication of a student with parents of a hybrid patient with acute stenotic laryngotracheitis (child older than 1 year of age) 1. Say hello and give your first and last name. 2. Ask the mother's name. 3. Ask the child's name and age or months. 4. Ask: 5. Can a baby drink or feed? 6. Does the child vomit after each meal or drink? 7. Did the child have seizures during this disease? 8. Look: 9. Is a child not lethargic, is he conscious? (Information is given by the teacher) 10. Does the child have seizures at the moment? (Information is given by the teacher) 11. Ask: 12. Does the child have a cough or difficulty breathing? 13. If so, ask: How long, how many days does the cough last? When did shortness of breath occur? 14. Ask: 15. Does the child have a throat problem? 18. Does the child have a fever? 19. If yes, ask: How long, to what numbers did the temperature now? (Information is given by the teacher) 10. Does the child have a fever? 11. Ask: 12. Does the child have a fever? 13. If yes, ask: How long, to what numbers did the temperature now? (Information is given by the teacher)

21. Calculate the frequency of breaths per
minute (Information is given by the teacher
during the exam)
22. See if there is a chest retraction
(Information is given by the teacher during
the exam)
23. Look and listen to see if there is a stridor
(after auscultation say aloud if there is a
stridor)
24. Look and listen for asthma breathing (say
aloud after auscultation if there is asthma
breathing)
25. Evaluate: signs of danger such as cough,
chest tightness, stridor, difficulty and
prolonged breathing, shortness of breath,
fever.
26. With asthma breathing, rapid breathing or chest
retraction: Give a fast-acting aerosol
bronchodilator up to 3 times in $15-20$ minutes
through the spacer. (Take the spacer and
inhaler. Remove the cap from the inhaler and
insert it into the spacer slot opposite the mask.
Apply the spacer mask on the child's face with
the narrow end to the nose and press the inhaler can twice. Wait until the child inhales the air-
drug mixture).
27. Incase of the body temperature above 38.5 give one dose of antipyretic drug (paracetamol 15
mg / kg or ibuprofen 10 mg / kg)
28. Calculate the respiratory rate and look again to
see if there is stridor, if there is prolonged
breathing, if there is chest retraction.
(Information is provided by the teacher). Then
classify.
29. Make a preliminary conclusion about a
possible diagnosis according to the system of
integrated management of childhood diseases.
30. Inject the first dose of amoxicillin 50 mg / kg
and gentamicin 7.5 mg / kg intramuscularly.
31. Inject dexamethasone 0.6 mg / kg
intramuscularly with stridor.
32. Recommend to the mother alleviate the
cough with a warm drink.
33. Encourage the mother to feed the baby before
the ambulance arrives.

34. Say aloud: The ambulance is called, I direct
you with the child to a hospital.
35. Wish recovery and say goodbye.