

نمونه های از تعیین علت فوت

دکتربشیر نازپرور

متخصص پزشکی قانونی

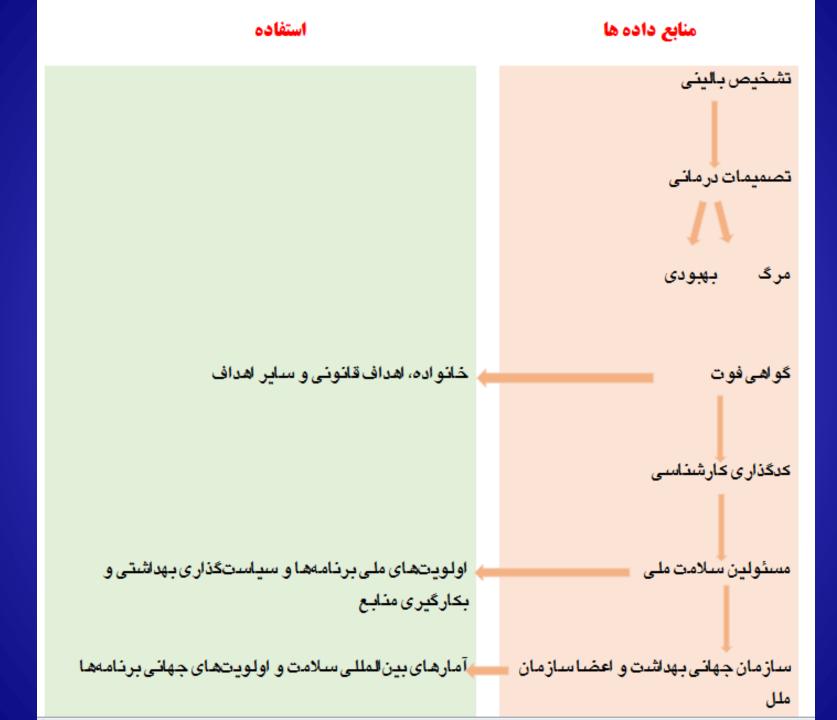
عضو هیئت علمی سازمان پزشکی قانونی کشور

مقدمه

اطلاعات ثبت شده در گواهی های فوت به سیاستگذاران در تعیین اولویتهای سلامت برای پیشگیری از مرگهای ناشی از علل مشابه در آینده کمک میکند

مقدمه

نوع و کیفیت خدمات بهداشتی به میزان زیادی بستگی به دقت اطلاعات بهدست آمده از گواهیهای فوت دارد.



A 50 year old male was admitted to hospital with severe anorexia, extreme pallor and generalized oedema. He was a diagnosed patient as having focal glomerular sclerosis 2 years ago and Insulin dependent diabetes mellitus for the last 25 years with very poor control.

Furthermore, this patient was a heavy cigarette smoker for the past 10 year duration. On further assessment at the hospital a diagnosis of end-stage renal failure was made and the patient expired one week following admission to the hospital.

| A | B | PART : II | | C | C | .

Cause of death		Approximate interval between onset and death
Disease or condition directly leading to death*	(a)	1 week
	due to (or as a consequence of)	
Antecedent causes Morbid conditions, if any,	(b) Focal glomerular sclerosis	2 years
giving rise to the above cause,	due to (or as a consequence of)	
stating the underlying condition last	(c) Dependent Diabetes Mellitus	25 years
	due to (or as a consequence of)	
	(d)	
Other significant conditions contributing to the death, but	Cigarette smoker	10 years
not related to the disease or condition causing it		
*This does not mean the mode of dying It means the disease, injury, or compli-	g, e.g. heart failure, respiratory failure. cation that caused death.	

A 54 year old male who is on regular medication for coronary arteriosclerosis for the last 5 years was rushed to the emergency with a history of severe tightening chest pain, sweating and dyspnoea.

He collapsed in the emergency department and despite immediate resuscitation the patient expired. ECG findings confirmed an acute myocardial infarction. He was suffering from emphysema for the last 20 years and was an alcohol addict for the past 25 years.

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Са	use of death	Approximate interval between onset and death
I Disease or condition directly leading to death*	(a) Acute myocardial infarction	Minutes
loading to doutin	due to (or as a consequence of)	
Antecedent causes Morbid conditions, if any,	(b) Coronary arteriosclerosis	5 years
giving rise to the above cause, stating the underlying	due to (or as a consequence of)	
condition last	(c)	
	due to (or as a consequence of)	
	(d)	
Other significant conditions contributing to the death, but	Emphysema	20 years
not related to the disease or condition causing it	Alcohol addiction	25 years
*This does not mean the mode of dying the means the disease, injury, or compared to the compar	ng, e.g. heart failure, respiratory failure. lication that caused death.	

A 34-year-old male was admitted to the hospital with severe shortness of breath. He had a 9-month history of unintentional weight loss, night sweats, and diarrhoea. The patient had no history of any medical condition that would cause immunodeficiency.

An Elisa test and confirmatory Western Blot test for Human Immunodeficiency Virus (HIV) were positive. Further, investigations revealed that he is having Pneumocystis Carinii Pneumonia (PCP), indicating a diagnosis of Acquired Immune Deficiency Syndrome (AIDS).

The patient's pneumonia responded to appropriate therapy, and the patient was discharged. The patient had two additional admissions for PCP. One and a half years after the patient was first discovered to be HIV positive, he again developed PCP but did not respond to therapy. He died 2 weeks later.

| A | B | PART : II | | C | C | .

INTERNATIONAL FORM OF MEDICAL CENTIFICATE OF CAUSE OF DEATH		
Cause of death		Approximate interval between onset and death
Disease or condition directly leading to death*	(a) Pneumocystis Carinii Pneumonia	2 Weeks
•	due to (or as a consequence of)	
Antecedent causes Morbid conditions, if any,	(b) Acquired immunodeficiency syndrome	1.5 Years
giving rise to the above cause,	due to (or as a consequence of)	
stating the underlying condition last	(c) Human Immunodeficiency Virus Infection	2 Years
	due to (or as a consequence of)	
	(d)	
Other significant conditions contributing to the death, but not related to the disease or	***************************************	
condition causing it		
*This does not mean the mode of dying It means the disease, injury, or complic		

An 8 year old boy was admitted with symptoms of high fever, nausea and vomiting for 2 days. He was diagnosed with Dengue Haemorrhagic Fever and was treated with intravenous fluid and supportive treatment.

Three days after admission, he had severe dyspnoea with diagnosis of pulmonary oedema and was treated by antidiuretics and respiratory support using a ventilator. On the next day, his respiratory function deteriorated with diagnosis of respiratory distress syndrome. He died on the 5th day of admission.

| A | B | PART : II | | C | C | .

Cause of death		Approximate interval between onset and death
Disease or condition directly leading to death*	(a) Respiratory Distress Syndrome	1 day
CONTROL OF THE CONTRO	due to (or as a consequence of)	
Antecedent causes Morbid conditions, if any,	(b) Pulmonary edema	2 days
giving rise to the above cause,	due to (or as a consequence of)	200 22
stating the underlying condition last	(c) Dengue Hemorrhagic Fever	7 days
	due to (or as a consequence of)	
	(d)	
Other significant conditions contributing to the death, but not related to the disease or		-
condition causing it		
*This does not mean the mode of dying the means the disease, injury, or compared to the compar	ng, e.g. heart failure, respiratory failure. lication that caused death.	

A 10 year old boy was taken to hospital with a history of swelling of legs and facial puffiness of one week duration and fever and cough of 3 days. On examination he had severe pallor, oedema with hepatosplenomegaly.

His respiratory rate was 44/min and air entry to the left lobe of lung was diminished. Chest x-ray showed left lower lobe consolidation. Child was a diagnosed case of Thalassaemia for the last 4 years.

He was resuscitated in the ward and despite antibiotic cover and blood transfusions his condition deteriorated and died the next day.

| A | B | PART : II | | C | C | .

Cause of death		Approximate interval between
Disease or condition directly leading to death*	(a) Lobar Pneumonia	onset and death 2 days
	due to (or as a consequence of)	
Antecedent causes Morbid conditions, if any,	(b) Lower Respiratory Tract Infection	3 days
giving rise to the above cause,	due to (or as a consequence of)	
stating the underlying condition last	(c) Severe Anaemia	1 week
	due to (or as a consequence of)	
	(d) Thalassaemia	Since birth
Other significant conditions contributing to the death, but not related to the disease or		
condition causing it		
*This does not mean the mode of dying It means the disease, injury, or complica	[0.17] [1.17] [1.17] [1.17] [1.17] [1.17] [1.17] [1.17] [1.17] [1.17]	

A female aged 54 years admitted to hospital for palliative care due to secondary adenocarcinoma of the liver. The secondary growth occurred one year ago due to the primary adenocarcinoma of the lung diagnosed 3 years before. She was also suffering from ischaemic heart disease for the last 10 years.

| A | B | PART : II | | C | C | .

Cause of death		Approximate interval between
Disease or condition directly leading to death*	(a) Secondary adenocarcinoma of liver	1 year
•	due to (or as a consequence of)	
Antecedent causes	(b) Primary adenocarcinoma of lung	3 years
Morbid conditions, if any, giving rise to the above cause, stating the underlying	due to (or as a consequence of)	
condition last	(c)	
	due to (or as a consequence of)	
	(d)	
Other significant conditions contributing to the death, but	Ischaemic heart disease	10 years
not related to the disease or condition causing it		
*This does not mean the mode of dying It means the disease, injury, or complica		

A male aged 54 years admitted to hospital for surgery to remove the colon due to carcinoma of the sigmoid colon. The patient developed a postoperative deep vein thrombosis.

A pulmonary embolism later developed and the patient died shortly after. He was diagnosed as having arteriosclerosis and ischaemic heart disease for the last 5 years.

| A | B | PART : II | | C | C | .

Са	nuse of death	Approximate interval between onset and death
Disease or condition directly leading to death*	(a) Pulmonary embolism	1 hour
	due to (or as a consequence of)	
Antecedent causes Morbid conditions, if any,	(b) Deep vein thrombosis	3 days
giving rise to the above cause,	due to (or as a consequence of)	
stating the underlying condition last	(c)	18 months
	due to (or as a consequence of)	
	(d)	
Other significant conditions contributing to the death, but	Ischaemic heart disease	5 years
not related to the disease or	Arteriosclerosis	5 years
condition causing it		
*This does not mean the mode of dying It means the disease, injury, or complete	ng, e.g. heart failure, respiratory failure. lication that caused death.	

A 68-year-old male was admitted with progressive right lower quadrant abdominal pain of several weeks' duration. The patient had lost approximately 40 lb, with progressive weakness and malaise. On examination, the patient had an enlarged liver of four finger breadths.

Rectal examination was normal and stool was negative for occult blood. Routine laboratory studies were within normal limits. A chest x-ray and barium enema were negative. ECG showed a RBBB. CT scan showed numerous masses within both lobes of the liver.

A needle biopsy of the liver was diagnostic of moderately differentiated hepatocellular carcinoma, and the patient was started on chemotherapy. Three months after the diagnosis, the patient developed sharp diminution of liver function as well as a deep venous thrombosis of his left thigh,

and he was admitted to the hospital. On his third day, the patient developed a pulmonary embolism and died 30 minutes later.

| A | B | PART : II | | C | C | .

INTERNATIONAL FORM OF MEDICAL CERTIFICATE OF CAUSE OF DEATH

Cause of death		Approximate interval between onset and death
Disease or condition directly leading to death*	(a) Pulmonary embolism	30 Minutes
	due to (or as a consequence of)	
Antecedent causes Morbid conditions, if any,	(b) Deep vein thrombosis of L/thigh	3 Days
giving rise to the above cause,	due to (or as a consequence of)	
stating the underlying condition last	(c) Acute hepatic failure	3 Days
	due to (or as a consequence of)	
	Moderately differentiated	3 Months
	Moderately differentiated (d) hepatocellular carcinoma	
Other significant conditions contributing to the death, but		
not related to the disease or condition causing it		
*This does not mean the mode of dyin It means the disease, injury, or compl	ng, e.g. heart failure, respiratory failure. lication that caused death.	

A 78-year-old female with a temperature of 102.6°F was admitted to the hospital from a nursing home. She first became a resident of the nursing home 2 years earlier following a cerebrovascular accident, which left her with a residual left hemiparesis.

Over the next year, she became increasingly dependent on others to help with her activities of daily living, eventually requiring an in-dwelling bladder catheter6 months before the current admission. For the 3 days prior to admission, she was noted to have lost her appetite and to have become increasingly withdrawn.

On admission to the hospital her leukocyte count was 19,700, she had pyuria, and gram-negative rods were seen on a gram stain of urine. Ampicillin and gentamicin were administered intravenously. On the third hospital day, admission blood cultures turned positive for Pseudomonas aeruginosa, which was

was resistant to ampicillin and gentamicin. Antibiotic therapy was changed to ticarcillin clavulanate, to which the organism was sensitive. Despite the antibiotics and intravenous fluid support, the patient's fever persisted. On the fourth hospital day, she became hypotensive and died.

| A | B | PART : II | | C | C | .

INTERNATIONAL FORM OF MEDICAL CERTIFICATE OF CAUSE OF DEATH

Cause of death		Approximate interval between onset and death
Disease or condition directly leading to death*	(a) Pseudomonas aeruginosa sepsis due to (or as a consequence of)	Days
Antecedent causes Morbid conditions, if any, giving rise to the above cause, stating the underlying condition last	(b) Pseudomonas aeruginosa urinary due to (or as a consequence of)	Days · · · · · · · · · · · · · · · · · · ·
	(c) Tn-dwelling bladder catheter	6 months
	due to (or as a consequence of)	
	(d) Left hemiparesis due to old cerebrovascular accident	2 years
Other significant conditions contributing to the death, but		
not related to the disease or condition causing it		
*This does not mean the mode of dying It means the disease, injury, or complete.		

A 75-year-old male had a 10-year history of chronic bronchitis associated with smoking two packs of cigarettes a day for more than 40 years. When seen by his physician approximately2 years prior to his terminal episode, he had moderately reduced FEV¹ and FVC with no response to bronchodilators.

During his last year, he required corticosteroids to prevent wheezing and coughing at night; however, he was unable to reduce his smoking to less than one pack of cigarettes per day. When seen 3 months prior to his terminal episode, he had significantly reduced FEV1 and FVC with no response to bronchodilators.

He awoke one evening complaining to his wife about coughing and worsening shortness of breath. He was taken to the emergency room where he was found to have an acute exacerbation of obstructive airway disease. He was admitted to the hospital.

At the patient's request, no mechanical ventilation was employed, and he died 12 hours later in respiratory arrest.

| A | B | PART : II | | C | C | .

INTERNATIONAL FORM OF MEDICAL CERTIFICATE OF CAUSE OF DEATH

Cause of death		Approximate interval between
I Disease or condition directly leading to death*	Acute exacerbation of obstructive (a) airways disease	onset and death 12 hours
Antecedent causes Morbid conditions, if any, giving rise to the above cause, stating the underlying condition last	due to (or as a consequence of) Chronic bronchitis (b)	10 years
	(c)	
	(d)	
Other significant conditions contributing to the death, but not related to the disease or		
condition causing it		
*This does not mean the mode of dying It means the disease, injury, or complic		

