

Application of preventive medicine in preventing measles

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Abstract: Measles is a acute respiratory disease, and it is strongly infectious, and the young Children are the High-incidence group, and the disease occurs due to measles viruses, and the infection may measles other diseases such as chronic fibrous pneumonia and acute cerebral, and we can meningitis the prevent by using the Modern prevention medical means, and the paper'll and analyze the application of preventive in medicine Ting measles.

Keywords: measles; Preventive medicine; Modern preventive means; Application Effect

Measles is a folk so-called First child, is originally a high at low age children's acute infectious disease, However, in recent years, Measles at onset Show Older trends [1]. Like patients with measles virus no immediate onset, but experience 10d Latency period has a runny nose, tears, cough and fever symptoms, to send A half week after a hot symptom appears, patients will appear with red spotted pimples, then Enter recovery period, After anesthesia subsided patients may be on the skin. leave brown pigmentation or bran-likedander [2]. for measles, Clinical treatment Admittedly important, But for measles, also requires effective prevention.

1. Epidemiology

1.1 area

in our country, Each province has a typical measles case report in recent years, But there's a big difference between different regions., so can be See no persistent high area, Measles mainly localized in China

[Author profile] Shinan (1987.5-), women, Jilin baicheng People, Undergraduate, Physicians, Research Direction: Public Health., State and high emission status and both of the special states. on check, Joan, gui., Southeast coastal provinces in, only less than one out of 10,000 morbidity, | year China report measles case report The counties that report are only 1/2., only a handful of counties report more cases of measles than 10 example [3]. This condition means that measles is not in China anymore is generally high in each province, is a partial area of a province with high hair.

1.2 Time

Measles This disease has a distinct pop season and outbreak peak, Although yearly varies from region to year, But in seasons and high Peak period stable, two seasons in winter and spring have been the height of its popularity. Peak. under investigation, Self year years old, China's measles epidemic peak always In 3~5 month. of course, Some regions are indifferent than the previous time measles, So it can be said that all seasons have high measles. [4].

1.3 fashion cycle

Vaccines can prevent measles outbreaks, therefore not widely used in vaccines before the measles always shows a state of nature., generally, City Popular | measles time interval 1~3 year, Country Popular | Sub Measles at a time

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of 2~6 year [5]. and after the vaccine has been popularized, this prevalence cycle no longer stable, also no longer typical

features, gets in some better immunization area, Measles even lost this typical cycle. of course, in some relatively backward, vaccination-less pervasive areas, Measles still have a certain prevalence cycle rule, but due to measles incidence dropping, so the so-called pop peak is almost down. If you do not enter row data analysis, hard to find its specific epidemic cycle.

1.4 Age

The results of the study from the in Hunan Province show that, from 2008 years ago, measles in China incidence shows a tendency of bidirectional displacement, -month age less than 8 Baby Month child, age above years of age the incidence of measles is rising in teens, then 5 children under age still the highest incidence of the population, but 20~30 Year-olds also have a high peak.

1.5 occupation

Is based on an item about 2008-2011 occupational distribution of measles patients in the year. The results of the condition are as follows, 2008-2009 Year, High measles career as a scatter Home Children, Their account is about 51%~65%, farmers and students followed by. until 2010-2011 year, diaspora share reached 78.22%, Student and peasant then none Total occupied close 82% incidence of [7].

1.6 Other trends

Survey results for case-prevalent cases, 2009 Floating population case ratio 6.4%, year of floating population case ratio 10.6%. Annual population of mobile cases is more than 17.9%, Visible floating population in case of epidemic cases Show rising trends; other, Large city flows Move population very much, There are a lot of expatriates, So the case of floating population about 50% above for expatriates, These foreign cases have become another one High measles group [8].

1.7 Immunization History

is generally, Month Age < 8 The month of the baby body has a parent source anti-body, if vaccinated for it, Its parent antibody will be immune to vaccines cause interference, So immunization history surveys all age < 8 Baby for months Exclude from the outside. and in all age > 8 month of patients for investigation, to find that patients with an unknown immune cell or measles virus immunization history account for more than about 70%~80%, remaining 10%~20% the patient has 1~2 Agent Measles virus Immunization history. based on an item of the National Measles survey for the year, show, close 64% The measles patient is 8~23 month-old baby, its in 70% above measles virus immunization history; According to another Year full National Measles Survey report shows, on 9 age to 1 A child of the year,

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Children with a history of measles virus immunization are less than 30% [9].

1.8 Clinical features

Given the presence of vaccines, Measles has been from the original Each person has asymptomatics are very typical "higher death rate becomes now Lightweight Primary complications are rare" Lower death rate, can even say that measles is currently through in "Stealth infection Status. General, measles virus immunization Children of history are the high incidence of light measles., These children will come out after the onset of hot now, rash and other clinical manifestations, and, fever time, rash time with and rash patterns are different, Clinical symptom deficiency typical, so easy show missed diagnosis, misdiagnosed results, This is certainly not conducive to early control of measles. in children and adults without a history of measles virus immunization, Measles fever time, time of rash and rash pattern more typical, and Adults' more severe than children, Its course is also more long, may occur Toxic Liver damage, myocarditis, pneumonia and bronchitis complications, but is because adults have stronger immunity, So the prognosis is generally better than the children.

2. Precautionary measures

2.1 popularize and enhance vaccination of vaccines

According to the country's established immune program, should be 2 Children older than species 2 Agent routine immunization against, The vaccination rate for is at least 95%. therefore should be the Force implementation timely vaccination " " Raising vaccination rate The basic work target of. this outside, , should also do a good job of regional censuses, for immune white space and low connection rate Region, to popularize vaccination as much as possible, to eliminate the existence of the Immune Blank^[ten]. for age > 8 months, age < year old child, should be for its enhanced immunity, Check for missed replant. in city, Education Department should be closely matched with Health Department, vaccination for children enrolled in enrollment. addition, Can also be based on different areas of the measles epidemic characteristics of the, for focus group toto the appropriate vaccination process, so you can form a population immune screen Handicap, avoid a massive measles outbreak.

2.2 to tighten surveillance on measles

China's health sector is working to establish sound nationwide. rash Surveillance network, trying to sample measles at all levels, with Perfect The lack of information on this monitoring network. on year, The monitoring network to cooperate with the primary medical team suspected cases taken serological tests, Pass pathogen Monitoring at provincial laboratories, implemented for measles virus pop The full master of the sign.

2.3 strengthen emergency response capabilities in the face of outbreaks.

First, for clustered measles cases, should have quick response can Force, give early diagnostics at the fastest rate, subsequently strengthens the case's tube

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rationale, timely vaccination of the surrounding population, efforts to control the outbreak Within The minimum scope. second, ready for local popularity enough vaccines, Prevent vaccine shortages after outbreaks spread.

3. Epilogue

Measles as an infectious disease has great danger for infants and young children harm, In recent years, this disease presents a tendency toward adulthood. , Although its Themorbidity trend is no longer nationwide high-level, but individual province local Area high, But the disease still needs effective prevention. this Selection Select modern preventive medicine means conducted research, from theory and instance two The surface confirms that preventive medicine does have a significant effect on measles prevention. effects.

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