

アメリカでの第一報 (09.05.06)

NEW ENGLAND JOURNAL OF MEDICINE

Age	
Median — yr	20
Range — yr	3 mo to 81 yr
Age group — no./total no. (%)	
0–23 mo	14/532 (3)
2–4 yr	27/532 (5)
5–9 yr	65/532 (12)
10–18 yr	212/532 (40)
19–50 yr	187/532 (35)
≥51 yr	27/532 (5)

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Clinical symptoms — no./total no. (%)	
Fever	371/394 (94)
Cough	365/397 (92)
Sore throat	242/367 (66)
Diarrhea	82/323 (25)
Vomiting	74/295 (25)
Hospitalization — no./total no. (%)	
Total	36/399 (9)
Had infiltrate on chest radiograph	11/22 (50)
Admitted to intensive care unit	8/22 (36)
Had respiratory failure requiring mechanical ventilation	4/22 (18)
Treated with oseltamivir	14/19 (74)
Had full recovery	18/22 (82)
Vaccinated with influenza vaccine during 2008–2009 season	3/19 (16)
Died	2/36 (6)

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MAY 18TH 2009

SCIENTIFICBLOGGING.COM CALIFORNIAの入院患者30例（全553例中）

Age group (yrs)	No	(%)
<5	6	(20)
5-19	7	(23)
20-39	8	(27)
40-59	4	(13)
>60	5	(17)

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Chronic comorbid illness	No	(%)
Chronic lung disease	11	(37)
Other immunosuppression	6	(20)
Chronic cardiac disease	5	(17)
Diabetes mellitus	4	(13)
Obesity	4	(13)
Seizure disorder	3	(10)
Pregnancy	5	(17)

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Symptoms and signs	No	(%)
Fever	29	(97)
Cough	23	(77)
Vomiting	14	(46)
Shortness of breath	13	(43)
Chills	11	(37)
Sore throat	10	(33)
Body aches	10	(33)
Rhinorrhea	9	(30)
Headache	5	(17)
Conjunctivitis	3	(10)
Diarrhea	3	(10)
Altered mental status	2	(7)
Generalized weakness	2	(7)

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CALIFORNIAの553例

Clinical findings and course	No	(%)
Infiltrates on chest radiograph**	15	(50)
Intensive-care unit admission	6	(20)
Mechanical ventilation	4	(13)
Antiviral treatment	15	(50)

Case characteristics for 30 hospitalized patients

アメリカでの第二報 個別症例 1

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Clinical findings and course							No	(%)
Age	Underlying conditions*	diagnosis	blood count	Chest X-ray	ICU	Life support	tamiflu	Stay Days
27 days	None	Rule out sepsis	None	Normal	No	No	None	3
6 wks	None	Pneumonia	Anemia	Bilateral infiltrates	No	No	yes	6
5 mos	pulmonary dysplasia, chronic corticosteroid	Respiratory Distress Syndrome,	Leukocytosis anemia†	Bilateral infiltrates	Yes	Yes	None	Still
17 mos	None	Pneumonia respiratory failure	Leukocytosis, lymphopenia	Bilateral infiltrates	No	No	None	2
3 yrs	None	Dehydration	None	Not done	No	No	yes	1
3 yrs	T-cell immunodeficiency	Pneumonia	Leukocytosis, anemia†	Bilateral infiltrates	Yes	No	yes	5
7 yrs	Asthma , obesity	Asthma exacerbation	Leukopenia	Unilobar infiltrate	No	No	None	4
9 yrs	Asthma	Dehydration	Leukopenia Lymphopenia	Hyperinflation, perivascular cuffing	No	No	None	5
15 yrs	Seizure disorder	Dehydration	Lymphopenia	Normal	No	No	yes	1
15 yrs	Cerebral palsy, Asthma , seizure disorder	Fever, seizure	Thrombocytopenia	Multilobar infiltrates	No	No	Yes	Still 11

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Clinical findings and course							No	(%)
Age	Underlying conditions*	diagnosis	blood count	Chest X-ray	ICU	Life support	tamiflu	Stay Days
17 yrs	Pregnancy	Not available	Not available	Not available	No	No	Yes	5
19 yrs	None	pharyngitis	Lymphopenia	Normal	No	No	Yes	1
19 yrs	Pregnancy	Rule out sepsis	Lymphopenia	Not done	No	No	None	2
21 yrs	None	Dehydration	None	Normal	No	No	Yes	2
26 yrs	None	Pneumonia, resp.failure	None	Unilobar infiltrate	No	No	Yes	2
29 yrs	Pregnancy	Pneumonia	Leukocytosis	Bilateral infiltrates	Yes	No	None	9
30 yrs	Diabetes melitus, obesity	Viral syndrome, vomiting	None	None	No	No	Yes	1
32 yrs	Obstructive sleep apnea	Respiratory failure	Leukocytosis, lymphopenia	Bilateral infiltrates	Yes	Yes	Yes	8
34 yrs	Asthma, pregnancy	Dehydration	Leukopenia, thrombocytopenia	None	No	No	None	7
35 yrs	None	Pneumonia	Leukocytosis, anemia	Not done	No	No	None	7

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個別症例 3

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Clinical findings and course							No	(%)
Age	Underlying conditions*	diagnosis	blood count	Chest X-ray	ICU	Life support	tamiflu	Stay Days
35yrs	Down syndrome, cong. heart defect, cong. T-cell deficiency	Pneumonia respiratory failure	Lymphopenia, thrombocytopenia	Bilateral infiltrates	No	No	None	4
40 yrs	Asthma , HTN, obesity	Pneumonia resp. failure	Leukocytosis, anemia	Bilateral infiltrates	Yes	Yes	None	Still : day 18
41yrs	Autoimmune hepatitis/p liver transplant, obesity	Viral syndrome	Leukopenia, anemia, Thrombocytopenia	Unilobar infiltrate	No	No	yes	6
42 yrs	Asthma , GERD pregnancy	Premature rupture of membranes, pre-eclampsia	None	Not done	No	No	yes	4
49 yrs	Aortic valve replacement, HTN, lupus nephritis, seizure disorder	Fever	Lymphopenia, anemia, thrombocytopenia	Not available	No	No	None	Still hospitalized: day 15

Clinical findings and course							No	(%)
Age	Underlying conditions*	diagnosis	blood count	Chest X-ray	ICU	Life support	tamiflu	Stay Days
60 yrs	COPD , HTN, atrial fibrillation	Respiratory distress	Leukopenia	Normal	No	No	None	Still hospitalized: day 13
70 yrs	COPD , BOOP, DM, atrial fibrillation, HTN, chronic corticosteroid administration	Respiratory distress	Leukocytosis	Unilobar infiltrate	No	No	None	10
73 yrs	COPD , HTN	Respiratory distress	Lymphopenia	Normal	No	No	Yes	3
83 yrs	CAD, COPD , HTN, breast cancer	Pneumonia, respiratory failure	Leukocytosis, anemia†	Bilateral infiltrates and pleural effusions	Yes	Yes	None	Still :27
87 yrs	Sjogren syndrome, pulmonary fibrosis, chronic corticosteroid administration, HTN	Not available	Leukocytosis, positive D-dimer	Unilobar infiltrate	No	No	Yes	Still : 4