

# Fever Control at a Preschool

## ~ Hoshino Hikari Preschool ~

### ■ Introduction of Hoshino Hikari Preschool

Hoshino Hikari (Starlight) preschool is located in a quiet residential area of Matsubara city, Osaka prefecture. Approx. 540 toddlers from 3 to 5 years old enter for carefree childcare including mud play, drawing, and etc., as well as experience English, gym, swimming, music, PC and intelligence education. In addition, toddlers can choose tea ceremony, flower arrangement, kendo, drum and fife band, abacus, and ect.as options.

Also, nurses are stationed in the health room to give careful consideration to maintain health of preschoolers.



#### ■ Profile

Osaka Seishin Gakuen Hoshino Hikari Preschool  
Address: 6-12-5, Hitotsuya, Matsubara, Osaka, Japan  
Phone: 072-336-9981  
Number of preschoolers: Approx. 540  
<http://www.hoshinohikari.com/>

### ■ Protect children from virus!

The preschool strives for hygiene management from before they install thermography. Toddlers made it habit to hand-wash and gargle. And they use disposable clean paper towel at toilets and hand-wash facility, and prohibited to use handkerchiefs which becomes dirty while they play intently.



#### ■ Mr. Takai, Manager

He initially had a sense of crisis when he saw outbreak of the bird flu in Hong Kong, and they started body temperature measurement by thermography at the airport. This time, he decided to install a thermography to the preschool because of the new flu epidemic.



■ Thermography installed at the entrance (Froggy)



Monitor in the administration office  
(Thermography image at the top center)



Monitor in the health room  
(Thermography image at the bottom)

### ■ Body surface temperature check by thermography !

Thermography is installed in a position where toddlers must pass everyday. It automatically measure body surface temperature when toddlers say hello to the froggy on top of it.

Thermal image is displayed to monitors at administration office and health room, where teachers check. When a toddler is found over 37.0℃, alarm sound is generated so that teachers can identify and take care of them.

## ■ Effects after thermography introduction

4 toddlers with fever were found by thermography during 2 month period after its installation. They were then measured by contact thermometer, and confirmed that they had over 38°C. Fortunately, they were not the new flu.

Toddlers with fever are not allowed to attend the preschool. Toddlers often look good at the beginning of fever. Therefore, parents tend to overlook change in their physical condition. By installation of the thermography, consciousness of parents had been changed.

Also, the preschool started to use thermography to find heat stroke in summer. Temperature of toddlers, who are likely to be suffered from heat stroke, are increased. Those toddlers will be given water, and will take break.



Heated area over 37°C is displayed in **red color**.  
Alarm sound is generated simultaneously.



When a fever is recognized.  
(Image)



## ■ Recommended Models

We recommend following models for the fever screening application.

- R550 <http://www.infrared.avio.co.jp/en/products/ir-thermo/lineup/r550/index.html>
- R450 <http://www.infrared.avio.co.jp/en/products/ir-thermo/lineup/r450/index.html>
- TS600 <http://www.infrared.avio.co.jp/en/products/ir-thermo/lineup/ts600/index.html>



R550



R450



TS600

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