

## Clinical investigation

An initial X-ray was taken on the day of treatment by pulpotomy and then, after the first 3 years, each time the patient returned to the surgery. (The X-ray follow-up was carried out for permanent teeth only).

To this day (2007) more than 400 radiological cases have been followed for periods between 3 and 18 years (3 years : 48 teeth; 4 years : 54 teeth; 5 years : 50 teeth; 6 years : 26 teeth; 7 years : 20 teeth; 8 years : 26 teeth; 9 years : 38 teeth; 10 years : 3 teeth; 11 years : 18 teeth; 12 years : 9 teeth; 13 years : 9 teeth; 15 years : 3 teeth; 16 years : 5 teeth; 17 years : 9 teeth; 18 years : 1 tooth). When analyzing the results, the absence of pain for a long period was also taken into consideration as well as the efficiency of mastication.

In the majority of cases concerning permanent teeth, a crown prosthesis was placed in order to ensure the best possible tightness of the filling. In addition, it should be noted that this prosthesis also acts as an “early-warning device” because, given its cost, the patient will not hesitate to come for a consultation in case of pain and pain could indicate an infection of the radicular system.

### **Results :**

#### **Deciduous teeth :**

Immediate pain relief after treatment in 80% of cases; mild pain which lasts only 2 to 3 days in 20% of cases. These teeth are clinically mute and function until they disappear from the dental arch to give way to the permanent teeth which follow them. This is the case for deciduous teeth which have remained in place until their “natural” elimination.

It should be noted that some 30% of generally uncrowned temporary teeth, fracture during mastication and have to be extracted by the practitioner. In this case, treatment by Pulpotec is, obviously, not at fault.

#### **Permanent teeth :**

The 400 cases X-rayed present a healthy physiological image with no trace of periapical infection in the second X-ray, added to which, these teeth were not painful and mastication was perfectly normal.

# Selection of 26 recent radiological cases after pulpotomy and treatment with Pulpotec®

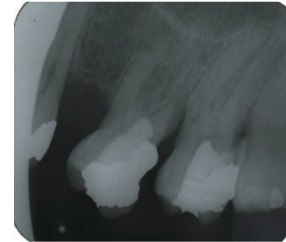
Day of treatment



16 / 16.06.89

<--18 years / ans-->

Control X-ray

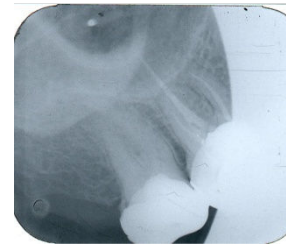


16 / 18.09.07



27 / 11.12.90

<--17 years / ans-->



27 / 06.06.07

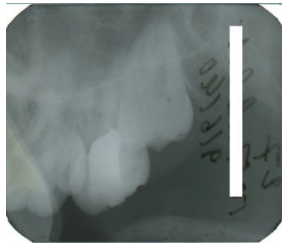


27 / 22.12.90

<--17 years / ans-->



27 / 16.06.07

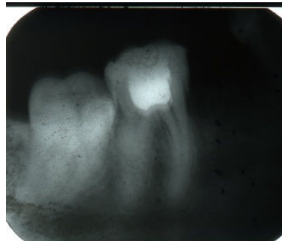


27 / 02.06.90

<--17 years / ans-->



27 / 10.10.07



36 / 19.05.90

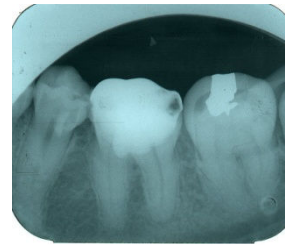
<--17 years / ans-->



36 / 02.06.07

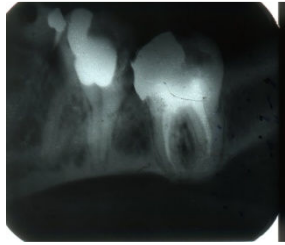


<--17 years / ans-->



36 / 12.12.90

36 / 12.06.07

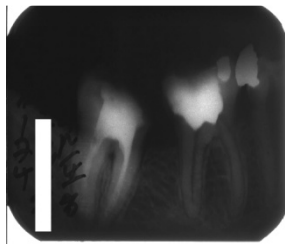


<--17 years / ans-->



36 / 19.04.90

36 / 29.06.07



<--17 years / ans-->



46 / 30.03.90

46 / 29.06.07

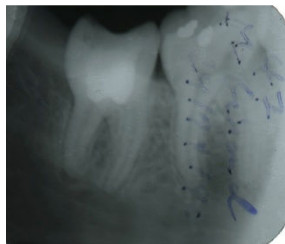


<--17 years / ans-->



46 / 18.04.90

46 / 10.10.07



<--17 years / ans-->



47 / 22.01.90

47 / 27.08.07

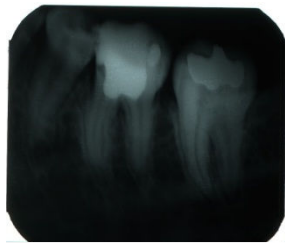


<--16 years / ans-->



47 / 04.11.91

47 / 17.07.07

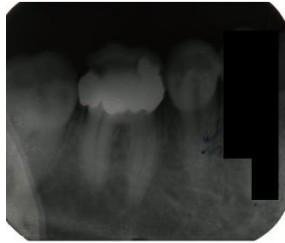


46 / 31.01.91

<--16 years / ans-->



46 / 31.03.07

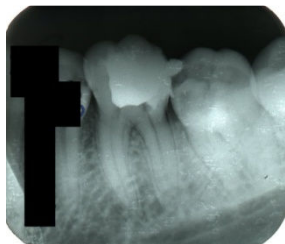


36 / 17.07.91

<--16 years / ans-->



36 / 12.06.07



46 / 08.08.91

<--16 years / ans-->



46 / 12.06.07

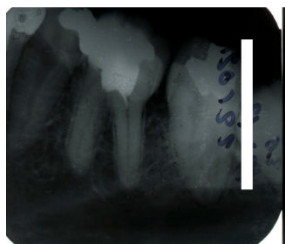


26 / 15.04.91

<--16 years / ans-->

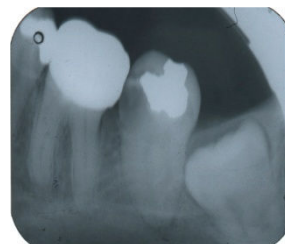


26 / 28.08.07

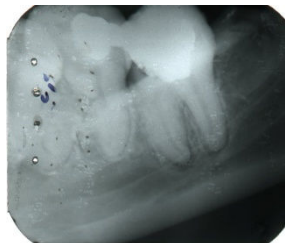


36 / 22.01.92

<--15 years / ans-->



36 / 17.07.07

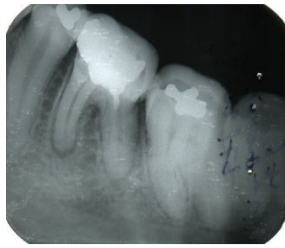


37 / 19.12.92

<--15 years / ans-->



37 / 16.06.07

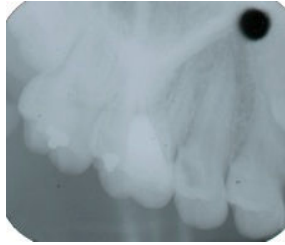


<--15 years / ans-->

46 / 19.12.92



46 / 16.06.07



<--14 years / ans-->

26 / 29.10.93



26 / 02.11.07

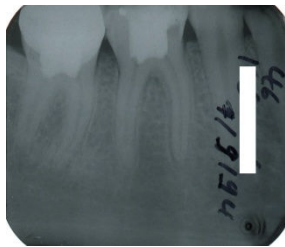


<--13 years / ans-->

7 / 16.16.94



7 / 16.06.07

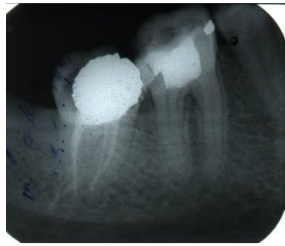


<--13 years / ans-->

46 / 01.09.94



46 / 27.08.07



<--12 years / ans-->

36 / 26.06.95



36 / 06.06.07

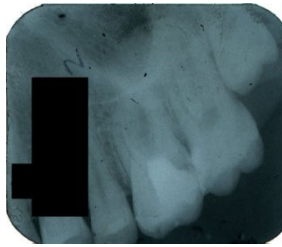


<--12 years / ans-->

36 / 18.11.95

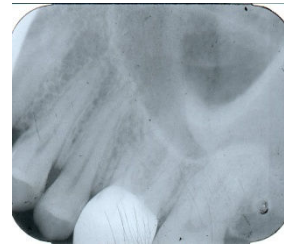


36 / 10 10.07



26 / 25.06.97

<--10 years / ans-->



26 / 24.04.07

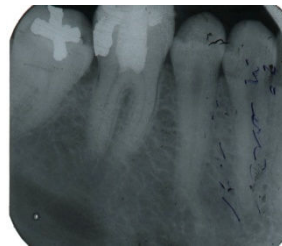


46 / 11.12.97

<--10 years / ans-->



46 / 28.08.07



36 / 05.02.98

<--9 years / ans-->



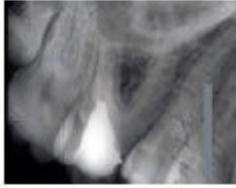
36 / 28.08.07

**Selection of 21 radiological cases (prior to 2002)  
after pulpotomy and treatment with Pulpotec®**

Day of treatment  
Jour du traitement

Control X-ray  
Radio de contrôle

N° 1



16 / 19.06.1991

<-- 10 years / ans -->



16 / 03.12.2001

N° 2



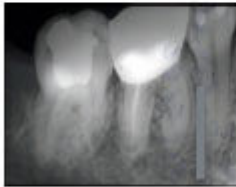
27 / 29.09.1987

<-- 15 years / ans -->



27 / 09.04.2002

N° 3



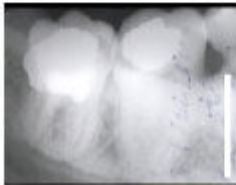
47 / 12.05.1990

<-- 11 years / ans -->



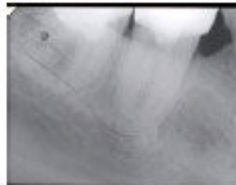
47 / 13.01.2001

N° 4



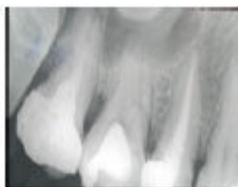
47 / 23.09.1989

<-- 13 years / ans -->



47 / 04.09.2002

N° 5



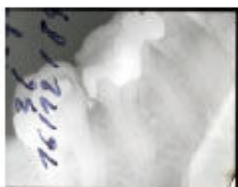
16 / 21.03.1990

<-- 11 years / ans -->



16 / 23.06.2001

N° 6



36 / 18.12.1989

<-- 13 years / ans -->



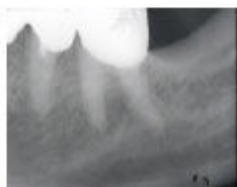
36 / 03.01.2002

N° 7



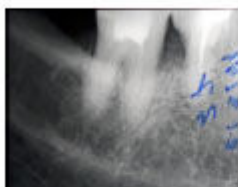
36 / 07.05.1991

<-- 6 years / ans -->



36 / 07.06.1997

N° 8



36 / 23.02.1993

<-- 9 years / ans -->



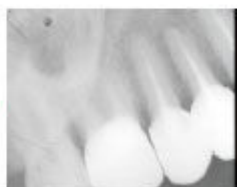
36 / 26.04.2002

N° 9



16 / 01.02.1990

<-- 12 years / ans -->



16 / 03.05.2002



N° 10



26 / 06.07.1989

<-- 13 years / ans -->



26 / 22.07.2002

N° 11



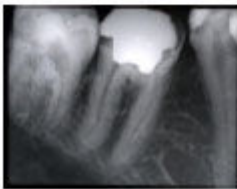
36 / 22.05.1990

<-- 12 years / ans -->



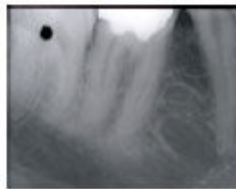
36 / 13.08.2002

N° 12



46 / 16.03.1991

<-- 11 years / ans -->



46 / 04.02.2002

N° 13



48 / 25.04.1992

<-- 9 years / ans -->



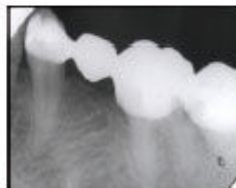
48 / 19.09.2001

N° 14



36 / 29.11.1990

<-- 8 years / ans -->



36 / 14.02.1998

