Supplementary figure 1
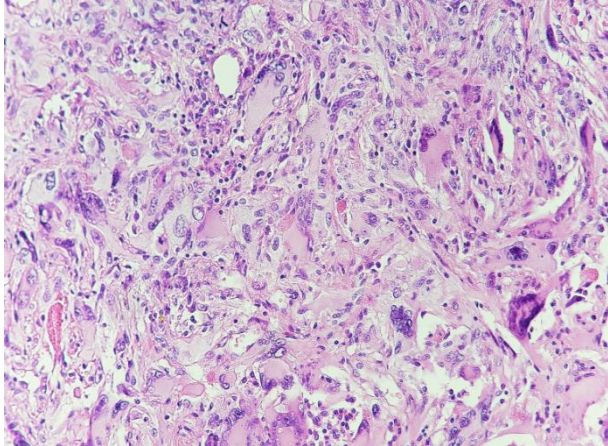
A. Case 1 (Low power)
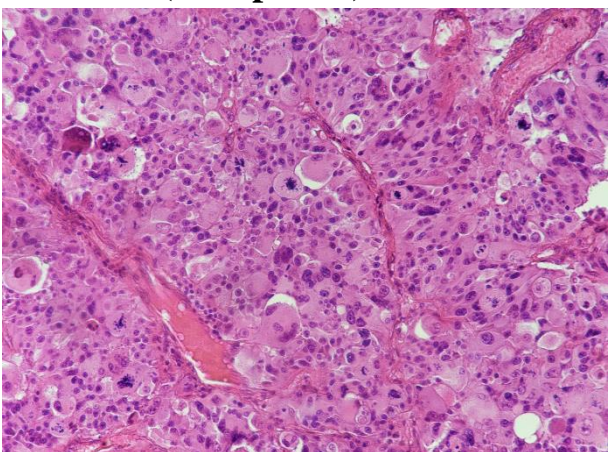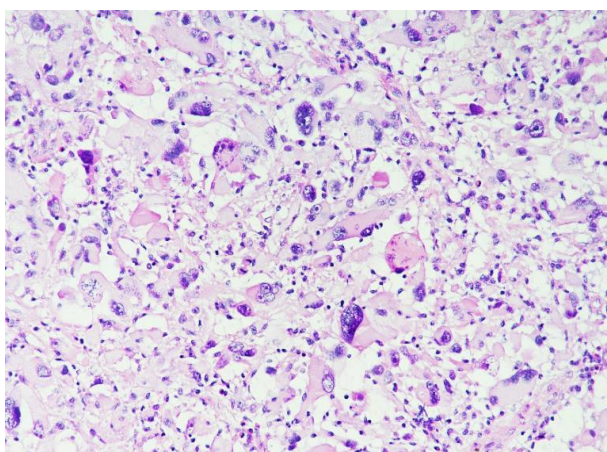

B. Case 2 (Low power)
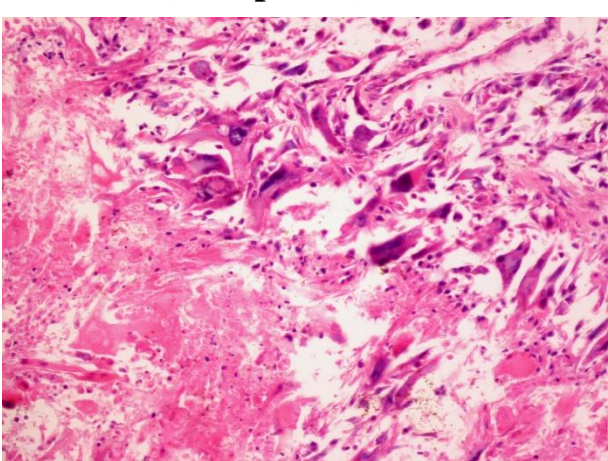

C. Case 3 (Low power)
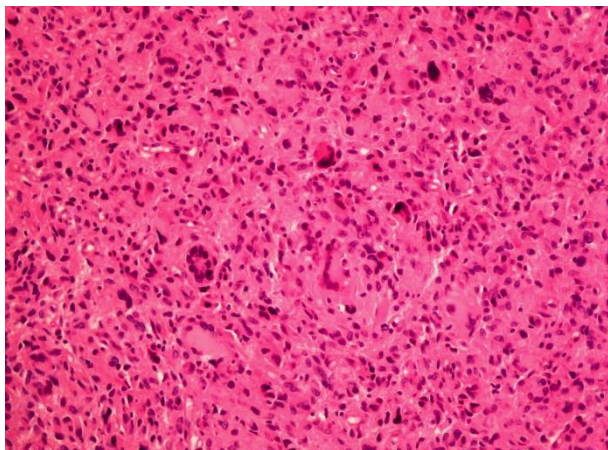

D. Case 4 (Low power)

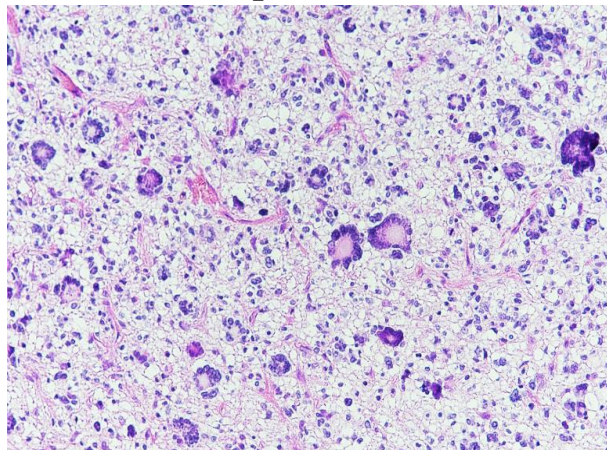**E. Case 5 (Low power)**

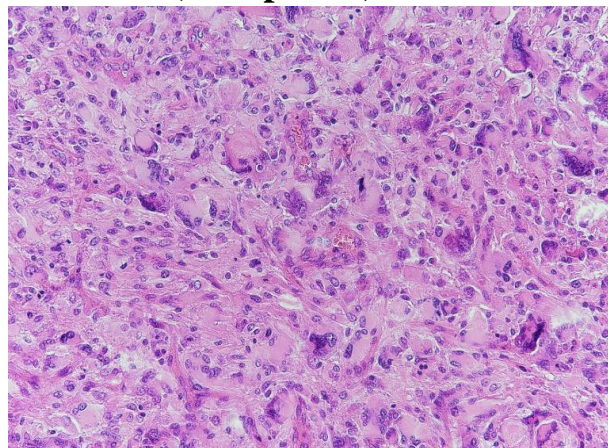**F. Case 6 (Low power)**
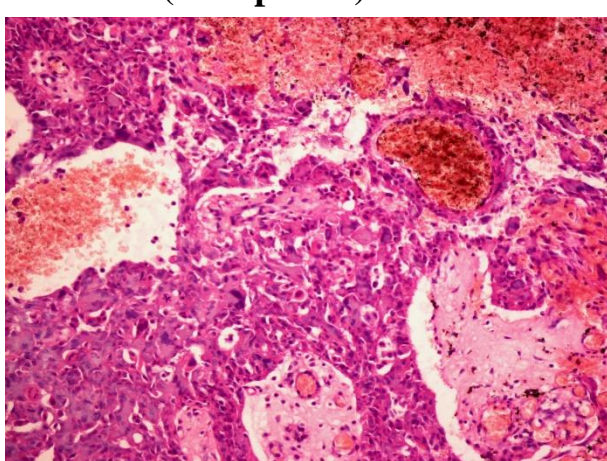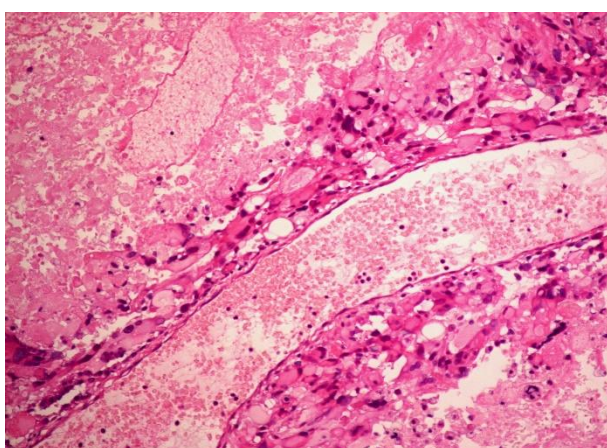
Supplementary figure 1

G. Case 7 (Low power)

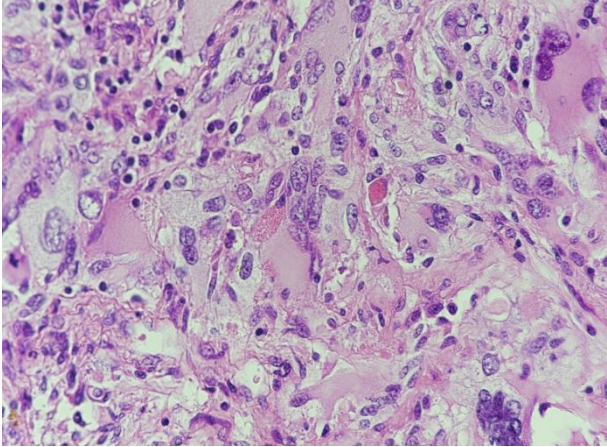
I. Case 9 (Low power)

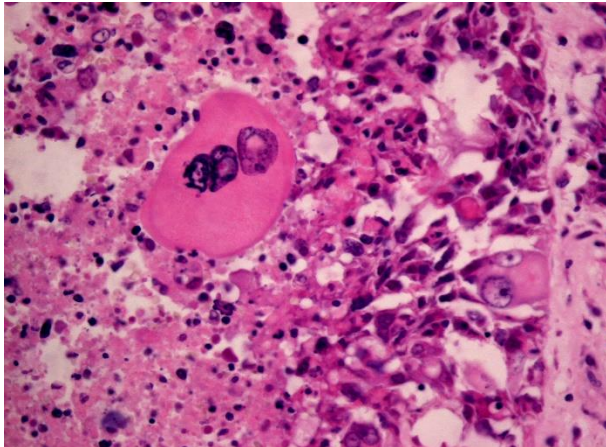**H. Case 8 (Low power)**

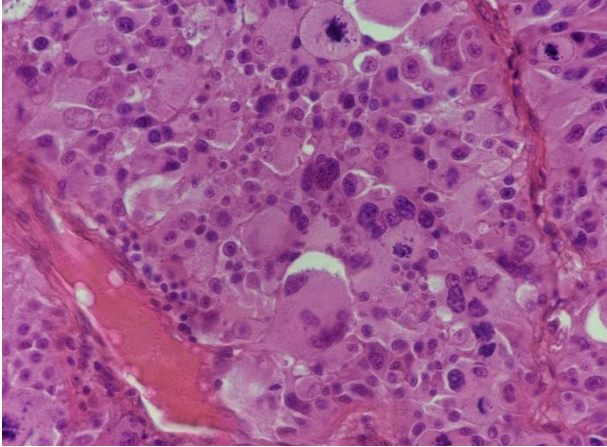**J. Case 10 (Low power)**

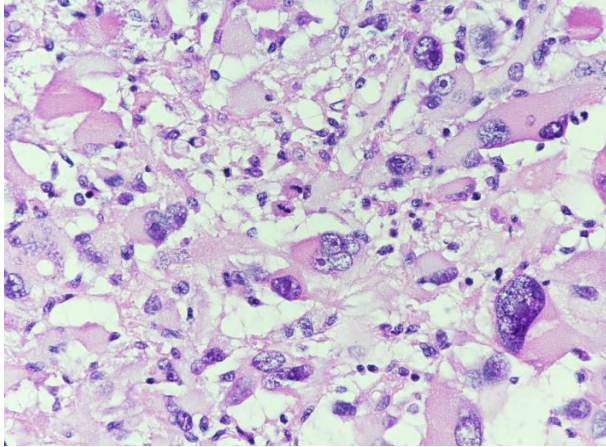**Supplementary figure 1**

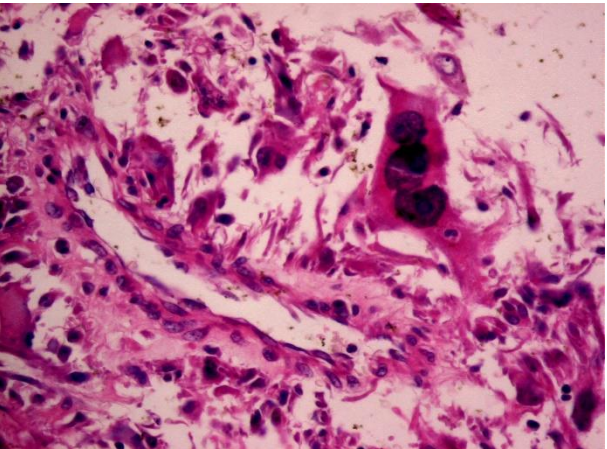**K. Case 1 (High power)**

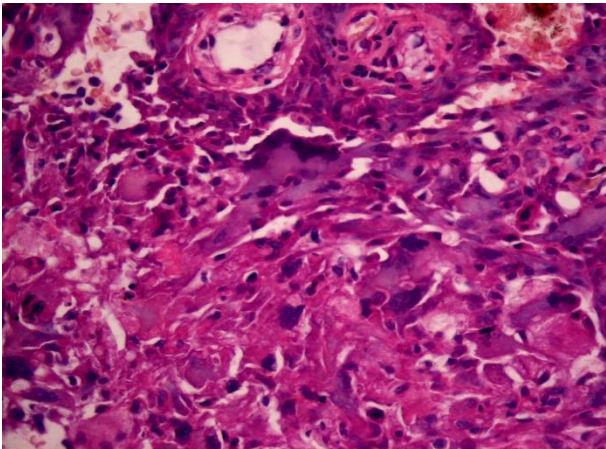**N. Case 4 (High power)**

L. Case 2 (High power)

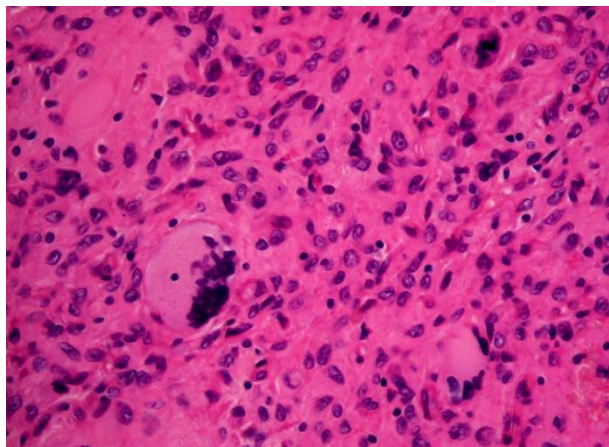**O. Case 5 (High power)**

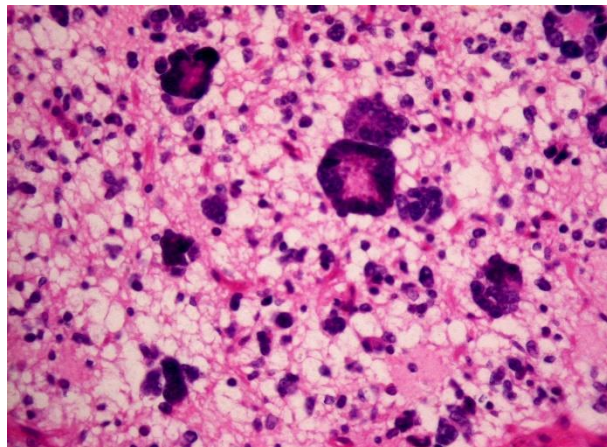**M. Case 3 (High power)**

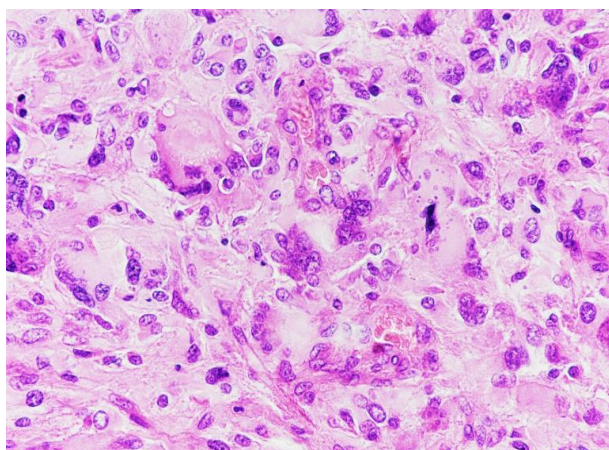**P. Case 6 (High power)**

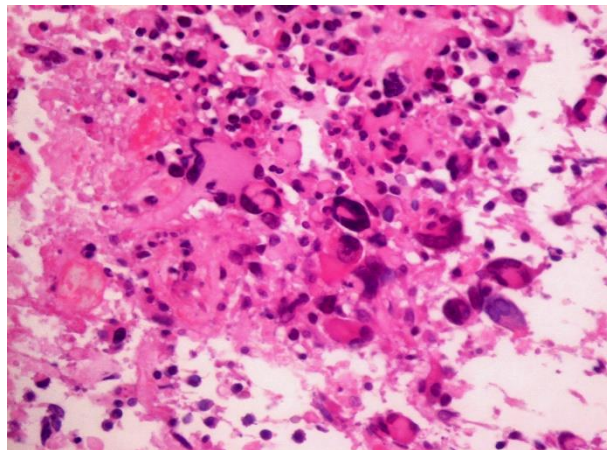**Supplementary figure 1**

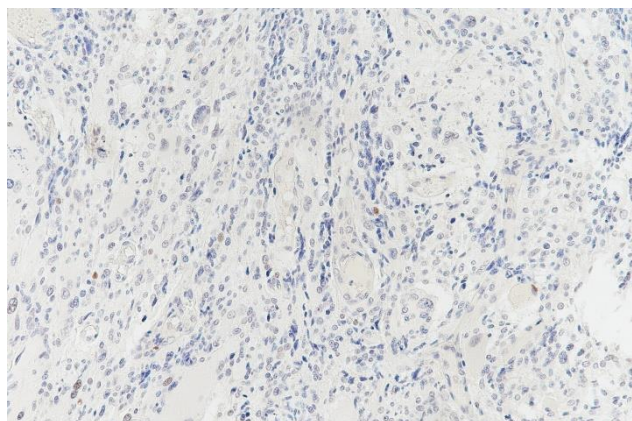**Q. Case 7 (High power)**

S. Case 9 (High power)
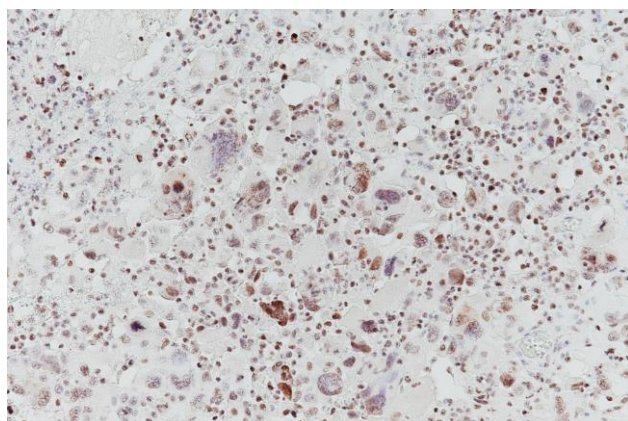

R. Case 8(High power)
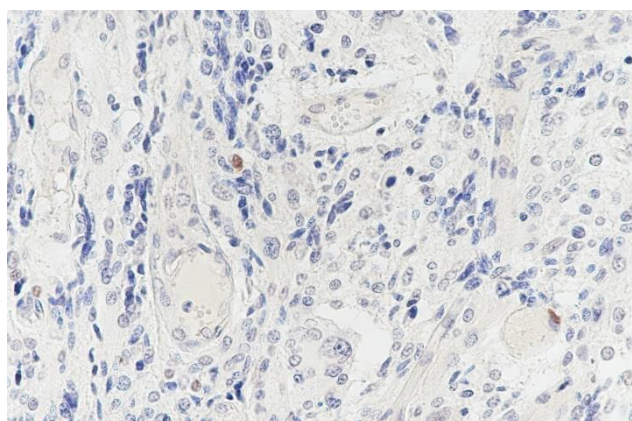

T. Case 10 (High power)
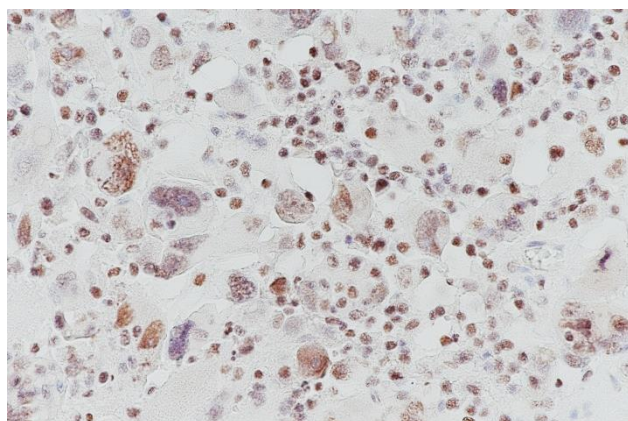
Supplementary figure 2

(H3K36me3 negative, low power)

(H3K36me3 positive, low power)

(H3K36me3 negative, high power)

(H3K36me3 positive, high power)