

# Raised CA19.9 Patient

## Patient Overview

Madam SL / 67 / Female / Indian with raised tumor marker CA19-9 from 21.07.21 to 16.08.22.

## Treatment Timeline

- **21.07.21:** Initial presentation with **elevated CA19-9** tumor marker
- **31.05.22:** **Commenced** CRT-REDOX+ treatment protocol
- **13.09.22:** **Completed** final dose of **CRT-REDOX+** monotherapy
- **16.12.22:** **Transitioned to CRT-3C** combination therapy (CRT-REDOX+ + LIPON + LUMINA)
- **16.12.22 to present:** CA19-9 levels normalized and maintained within normal range
- **Ongoing:** Monthly **CRT-3C** maintenance therapy continues

## Current Status

Patient remains on **monthly CRT-3C** combination therapy with excellent biochemical response. CA19-9 tumor marker has remained consistently within normal limits since December 2022, demonstrating sustained therapeutic efficacy. The patient tolerates the treatment regimen well with no significant adverse events reported. Clinical monitoring continues with regular laboratory assessments to track tumor marker trends and overall treatment response.

## Treatment Documentation

The following tables provide a comprehensive record of treatment visits, dosing schedules, and clinical progress:

| AS REGIME            |     | CRT-LIPON X    | CRT-LUMINA X   | CRT-REDOX X    | FRT            | LAB TEST X     | RADIOLOGY      | UBT4           | VAT            |                |                |                |                |
|----------------------|-----|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Type of Immunisation |     | DOSE 1         | DOSE 2         | DOSE 3         | DOSE 4         | DOSE 5         | DOSE 6         | DOSE 7         | DOSE 8         | DOSE 9         | DOSE 10        | DOSE 11        | DOSE 12        |
| ▶                    | 1-C | 12/03/20       | 19/03/20       | 29/07/20       | 07/08/20       | 14/08/20       | 31/05/22       | 07/06/22       | 14/06/22       | 22/06/22       | 28/06/22       | 12/07/22       | 19/07/22       |
|                      | 2-C | 26/07/22       | 16/08/22       | 23/08/22       | 06/09/22       | 13/09/22       | 16/12/22<br>3C | 19/01/23<br>3C | 02/03/23<br>3C | 14/03/23<br>3C | 07/04/23<br>3C | 10/05/23<br>3C | 15/06/23<br>3C |
|                      | 3-C | 19/07/23<br>3C | 11/10/23<br>3C | 22/12/23<br>3C | 22/02/24<br>3C | 24/09/24<br>3C | 21/05/25<br>3C | 23/09/25<br>3C | 07/01/26<br>3C | 03/08/26<br>3C | 20/08/26<br>3C |                |                |
|                      | 4-C |                |                |                |                |                |                |                |                |                |                |                |                |
|                      | 5-C |                |                |                |                |                |                |                |                |                |                |                |                |

Table 1.1: CRT-REDOX Treatment Record

| AB REGIME            | CRT-LIPON X | CRT-LUMINA X   | CRT-REDOX X    | FRT            | LAB TEST X     | RADIOLOGY      | UBT4           | VAT            |                |                |                |                |                |
|----------------------|-------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Type of Immunisation |             | DOSE 1         | DOSE 2         | DOSE 3         | DOSE 4         | DOSE 5         | DOSE 6         | DOSE 7         | DOSE 8         | DOSE 9         | DOSE 10        | DOSE 11        | DOSE 12        |
| ▶                    | 1-C         | 16/12/22<br>3C | 19/01/23<br>3C | 02/03/23<br>3C | 14/03/23<br>3C | 07/04/23<br>3C | 10/05/23<br>3C | 15/06/23<br>3C | 19/07/23<br>3C | 11/10/23<br>3C | 22/12/23<br>3C | 22/02/24<br>3C | 24/09/24<br>3C |
|                      | 2-C         | 21/05/25<br>3C | 23/09/25<br>3C | 07/01/26<br>3C | 03/08/26<br>3C | 20/08/26<br>3C |                |                |                |                |                |                |                |
|                      | 3-C         |                |                |                |                |                |                |                |                |                |                |                |                |
|                      | 4-C         |                |                |                |                |                |                |                |                |                |                |                |                |
|                      | 5-C         |                |                |                |                |                |                |                |                |                |                |                |                |

**Table 1.2: CRT-LIPON Treatment Record**

| AB REGIME            | CRT-LIPON X | CRT-LUMINA X   | CRT-REDOX X    | FRT            | LAB TEST X     | RADIOLOGY      | UBT4           | VAT            |                |                |                |                |                |
|----------------------|-------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Type of Immunisation |             | DOSE 1         | DOSE 2         | DOSE 3         | DOSE 4         | DOSE 5         | DOSE 6         | DOSE 7         | DOSE 8         | DOSE 9         | DOSE 10        | DOSE 11        | DOSE 12        |
| ▶                    | 1-C         | 16/12/22<br>3C | 19/01/23<br>3C | 02/03/23<br>3C | 14/03/23<br>3C | 07/04/23<br>3C | 10/05/23<br>3C | 15/06/23<br>3C | 19/07/23<br>3C | 11/10/23<br>3C | 22/12/23<br>3C | 22/02/24<br>3C | 24/09/24<br>3C |
|                      | 2-C         | 21/05/25<br>3C | 23/09/25<br>3C | 07/01/26<br>3C | 03/08/26<br>3C | 20/08/26<br>3C |                |                |                |                |                |                |                |
|                      | 3-C         |                |                |                |                |                |                |                |                |                |                |                |                |
|                      | 4-C         |                |                |                |                |                |                |                |                |                |                |                |                |
|                      | 5-C         |                |                |                |                |                |                |                |                |                |                |                |                |

**Table 1.3: CRT-LUMINA Treatment Record**

| centre                | KDK-CP   | KDK-CP   | KDK-GB   | KDK-GB   | GN                                              |
|-----------------------|----------|----------|----------|----------|-------------------------------------------------|
| test                  | 21.07.21 | 09.08.21 | 05.10.21 | 10.12.21 | Normal range                                    |
| AFP                   | -        | 8.0      | 8        | 10       | <9.0ng/ml                                       |
| CEA                   | -        | -        | -        | -        | Non smoker< 5.1 ug/L-smoker                     |
| CA 125                | 8.4      | -        | -        | -        | <10.0                                           |
| CA 15-3               | 16.4     | -        | -        | -        | <35u/ml                                         |
| CA19-9                | -        | 36.1     | 30       | 34       | 0-23.5u/ml                                      |
| CA 72-4               | -        | -        | -        | -        | <35 u/mL                                        |
| EBV VCA IgA (for NPC) | -        | -        | -        | -        | <6.9                                            |
| H.C.G (quantitative)  | -        | -        | -        | -        | Non-Reactive:<2.0, Weak React:2-10,Reactive:>10 |
| CRT-REDOX+            | D5       | -        | -        | -        |                                                 |
| CRT-LIPON             | -        | -        | -        | -        |                                                 |
| CRT-LUMINA            | -        | -        | -        | -        |                                                 |
| centre                | KDK-GB   | KDK-INNO | KDK-GN   | KDK-GN   | GN                                              |
| test                  | 13.05.22 | 16.08.22 | 16.12.22 | 02.03.23 | Normal range                                    |
| AFP                   | 8        | 9        | 7.2      | 9.1      | <9.0ng/ml                                       |
| CEA                   | -        | -        | -        | -        | Non smoker< 5.1 ug/L-smoker                     |
| CA 125                | -        | -        | -        | -        | <10.0                                           |
| CA 15-3               | -        | -        | -        | -        | <35u/ml                                         |
| CA19-9                | 34       | 36       | 28.5     | 33.0     | 0-23.5u/ml                                      |
| CA 72-4               | -        | -        | -        | -        | <35 u/mL                                        |
| EBV VCA IgA (for NPC) | -        | -        | -        | -        | <6.9                                            |
| H.C.G (quantitative)  | -        | -        | -        | -        | Non-Reactive:<2.0, Weak React:2-10,Reactive:>10 |
| CRT-REDOX+            | -        | D13      | D17      | D19      |                                                 |
| CRT-LIPON             | -        | -        | D1       | D2       |                                                 |
| CRT-LUMINA            | -        | -        | D1       | D2       |                                                 |

**Table 2.1: Real-Time Laboratory Results (Part 1)**

| centre                | KDK-GN              | KDK-GN              | KDK-GN       | KDK-GN              | GN                                              |
|-----------------------|---------------------|---------------------|--------------|---------------------|-------------------------------------------------|
| test                  | 20.06.23            | 11.10.23            | 22.02.24     | 24.09.24            | Normal range                                    |
| AFP                   | 8.1                 | 8.5                 | 8.4          | 6.8                 | <9.0ng/ml                                       |
| CEA                   | 2.2                 | -                   | -            | 2.6                 | Non smoker< 5.1 ug/L-smoker <10.0               |
| CA 125                | 5.9                 | -                   | -            | 7.0                 | <35u/ml                                         |
| CA 15-3               | 8.5                 | -                   | -            | 12.1                | 0-23.5u/ml                                      |
| CA19-9                | 24.1                | 28.0                | 22.5         | 25.8                | < 35 u/mL                                       |
| CA 72-4               | 1.59                | -                   | -            | 2.04                | <6.9                                            |
| EBV VCA IgA (for NPC) | WEAK REACTIVE (2.0) | -                   | -            | WEAK REACTIVE (2.0) | Non-Reactive:<2.0, Weak React:2-10,Reactive:>10 |
| H.C.G (quantitative)  | -                   | -                   | -            | -                   |                                                 |
| CRT-REDOX+            | D23                 | D25                 | D27          | D28                 |                                                 |
| CRT-LIPON             | D7                  | D8                  | D10          | D11                 |                                                 |
| CRT-LUMINA            | D7                  | D8                  | D10          | D11                 |                                                 |
| centre                | KDK-GN              | KDK-GN              | KDK-GN       |                     | GN                                              |
| test                  | 21.05.25            | 23.09.25            | 03.08.26     |                     | Normal range                                    |
| AFP                   | 7.0                 | 6.2                 | 6.8          |                     | <9.0ng/ml                                       |
| CEA                   | 2.6                 | 2.7                 | 2.8          |                     | Non smoker< 5.1 ug/L-smoker <10.0               |
| CA 125                | 5.1                 | 6.2                 | 5.7          |                     | <35u/ml                                         |
| CA 15-3               | 13.2                | 11.4                | 11.2         |                     | 0-23.5u/ml                                      |
| CA19-9                | 28.3                | 25.4                | 21.1         |                     | < 35 u/mL                                       |
| CA 72-4               | 1.42                | 2.7                 | 2.7          |                     | <6.9                                            |
| EBV VCA IgA (for NPC) | NON-REACTIVE        | WEAK REACTIVE (2.2) | NON-REACTIVE |                     | Non-Reactive:<2.0, Weak React:2-10,Reactive:>10 |
| H.C.G (quantitative)  | -                   | -                   | -            |                     |                                                 |
| CRT-REDOX+            | D29                 | D30                 | D32          |                     |                                                 |
| CRT-LIPON             | D12                 | D13                 | D15          |                     |                                                 |
| CRT-LUMINA            | D12                 | D13                 | D15          |                     |                                                 |

**Table 2.2: Real-Time Laboratory Results (Part 2)**