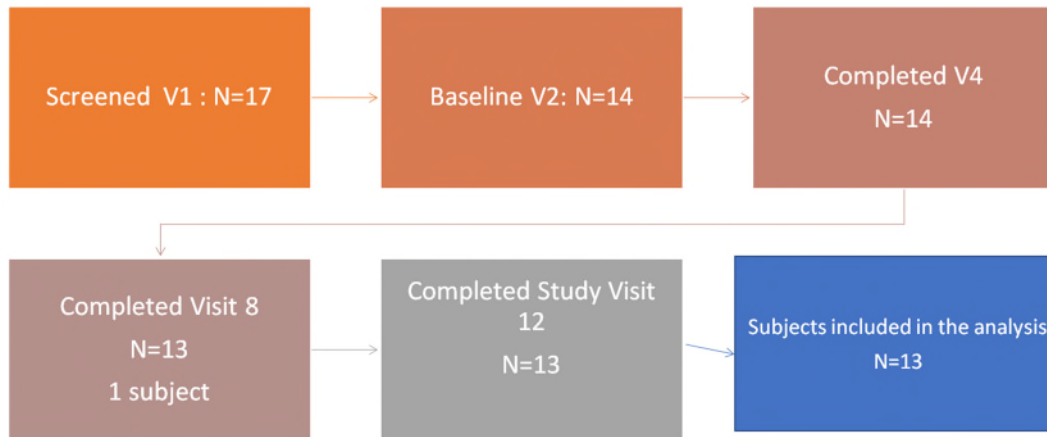


## Participant flow



**Baseline characteristics**

|                                        |            |
|----------------------------------------|------------|
| Age – Mean years (SD)                  | 22 (6.7)   |
| Range                                  | 12-30      |
| Sex N (%)                              |            |
| Male                                   | 3 (23.1%)  |
| Female                                 | 10 (76.9%) |
| Investigator's Global Assessment N (%) |            |
| 2 – Mild                               | 5 (38.5%)  |
| 3 – Moderate                           | 8 (61.5%)  |
| Lesion Count Mean (SD)                 |            |
| Inflammatory                           | 17.2 (7.6) |
| Non-inflammatory                       | 19.5 (9.9) |

## Outcome measures

**IF: INFLAMMATORY LESIONS**

**NIF: NON-INFLAMMATORY LESIONS**

**TLC: TOTAL LESION COUNTS**

**PIH: POST INFLAMMATORY HYPERPIGMENTAION**

**PIH SERV: POST INFLAMMANTORY HYPERPIGMENTATION SEVERITY**

**Table 1: % Change NIF, IF and TLC**

| VISIT | NIF   | % CHANGE | IF    | % CHANGE | TLC   | % CHANGE |
|-------|-------|----------|-------|----------|-------|----------|
| BL    | 19.54 |          | 17.15 |          | 37.46 |          |
| W4    | 15.69 | -19.7    | 13.15 | -23.32   | 28.85 | -22.98   |
| W8    | 17.46 | -10.64   | 12.31 | -28.22   | 29.77 | -20.52   |
| W12   | 16.31 | -16.53   | 11.54 | -32.71   | 27.85 | -25.654  |

**Table 2: Mean values for Non-inflammatory lesion counts**

|         | BL NIF | W4 NIF | W8 NIF | W12 NIF |
|---------|--------|--------|--------|---------|
| MEAN    | 19.54  | 15.69  | 17.46  | 16.31   |
| SD      | 9.95   | 9.38   | 10.84  | 10.23   |
| SEM     | 2.76   | 2.6    | 3.01   | 2.84    |
| N       | 13     | 13     | 13     | 13      |
| p value |        | 0.0613 | 0.5099 | 0.3041  |

**Table3: Mean values for inflammatory lesion counts**

|        | BL IF | W4 IF  | W8 IF  | W12 IF |
|--------|-------|--------|--------|--------|
| MEAN   | 19.54 | 13.15  | 12.31  | 11.54  |
| SD     | 9.95  | 7.29   | 6.24   | 6.27   |
| SEM    | 2.76  | 2.02   | 1.73   | 1.74   |
| N      | 13    | 13     | 13     | 13     |
| pvalue |       | 0.1149 | 0.0261 | 0.0548 |

**Table 4: Mean values for Total Lesion Counts**

|         | BL TLC | W4 TLC | W8 TLC | W12 TLC |
|---------|--------|--------|--------|---------|
| MEAN    | 37.46  | 28.85  | 29.77  | 27.85   |
| SD      | 15.88  | 15.48  | 14.38  | 14.37   |
| SEM     | 4.41   | 4.29   | 3.99   | 3.99    |
| N       | 13     | 13     | 13     | 13      |
| p value |        | 0.0345 | 0.1075 | 0.0871  |

**Table 5: % Change PIH on subjects with PIH**

| PIH     | W4    | W8     | W12    |
|---------|-------|--------|--------|
| 1       | -25   | -75    | -75    |
| 2       | -50   | -50    | -50    |
| 3       | -33   | -50    | -83    |
| 5       | -50   | -50    | -50    |
| 8       | -50   | -50    | -50    |
| SD      | 11.84 | 11.18  | 16.13  |
| SEM     | 5.3   | 5      | 7.22   |
| N       | 5     | 5      | 5      |
| p value |       | 0.2403 | 0.1778 |

**Table6: PIH Severity Grades**

| PIH SEV | BL | W4 | W8 | W12 |
|---------|----|----|----|-----|
| 1       | 4  | 2  | 2  | 1   |
| 2       | 3  | 2  | 2  | 1   |
| 3       | 3  | 2  | 2  | 1   |
| 5       | 2  | 1  | 1  | 1   |
| 8       | 2  | 1  | 1  | 1   |

**Table 7: % Change PIH**

| PIH SEV      | W4      | W8      | W12     |
|--------------|---------|---------|---------|
| 1            | -50     | -50     | -75     |
| 2            | -33     | -33     | -66     |
| 3            | -33     | -33     | -66     |
| 5            | -50     | -50     | -50     |
| 8            | -50     | -50     | -50     |
| <b>Group</b> |         |         |         |
| Mean         | -43.332 | -43.332 | -61.664 |
| SD           | 9.1305  | 9.1305  | 11.1788 |
| SEM          | 4.0833  | 4.0833  | 4.9993  |
| N            | 5       | 5       | 5       |

|         |  |  |        |
|---------|--|--|--------|
| p value |  |  | 0.0743 |
|---------|--|--|--------|

## Adverse events

Table 1: Summary of irritation parameters

| Signs            | oiliness | Dryness/peeling | Erythema/pruritus |
|------------------|----------|-----------------|-------------------|
| Subjects numbers | 3/12     | 1/12            | 0/12              |