



#### Implementing SDTM and ADaM in Oncology Trials

Presented by DukHyun Kim, Director, Biostatistics, C&R Research



#### **Meet the Speaker**

DukHyun Kim

Title: Director

Organization: C&R Research

DukHyun Kim is the Biostatistics Director at C&R Research, Korea's CRO. She has been in the industry for more than 16 years including global CRO. She had more that 9 years of experience, involved with statistical review such as ADaM specification, SAP/TFLs shells, ADaM, statistical results, ADRG, ADaM Define.xml and etc. at ICON Clinical Research Korea as biostatistician.

#### **Disclaimer and Disclosures**

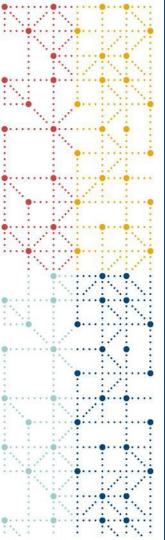
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# Agenda

- 1. Oncology Clinical Trials
- 2. Oncology Specific SDTM Domains
- 3. Oncology Specific ADaM Domains
- 4. Conclusion



# **Oncology Clinical Trials**

### **Difficulty in Oncology Clinical Trials**





#### **Efficacy Endpoints in Oncology**

#### Time to Event

- Progression-Free Survival (PFS)
- Overall Survival (OS)
- Duration of Response (DOR)
- Time to Response (TTR)
- Time to Treatment Failure (TTF)

#### Response Rate

- Best of Response (BOR)
- Objective Response Rate (ORR)
- Disease Control Rate (DCR)

#### Tumor Size

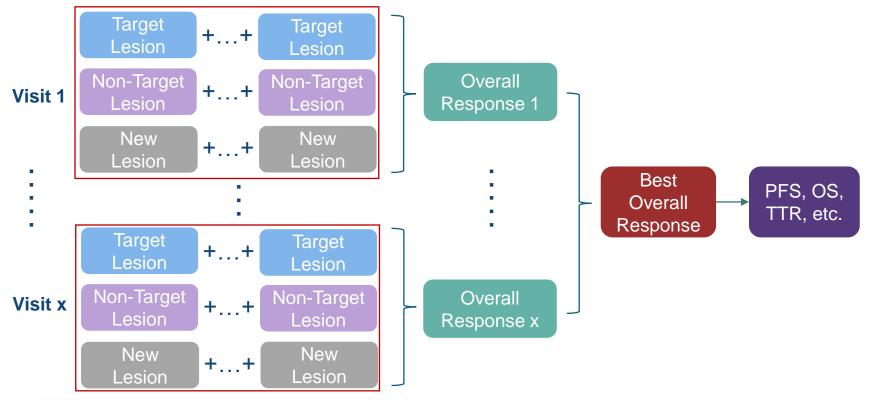
- Percent Change from Baseline in Sum of Diameter
- Percent Change from Baseline in Sum of Longest Diameter
- Percent Change from Nadir



Tumor Assessment (Image)



### **Tumor Assessment for Efficacy Analysis**

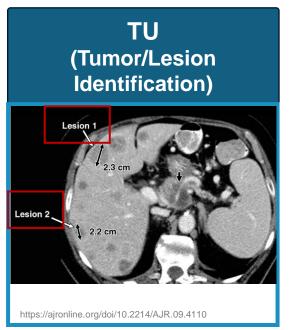


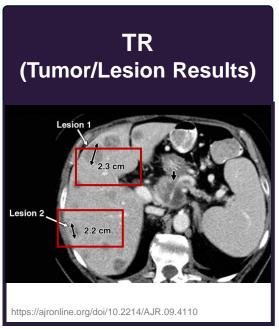


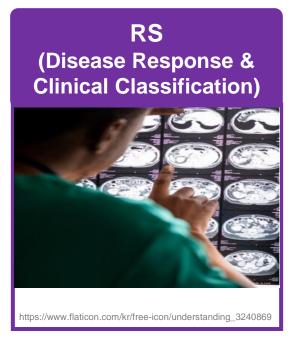


# **Oncology Specific SDTM Domains**

#### **Oncology Specific Domains from CDISC SDTM**









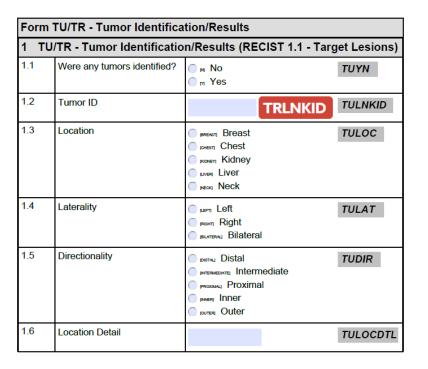
# **TU (Tumor/Lesion Identification)**

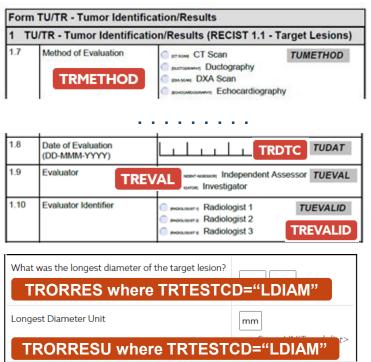
| Form ' | Form TU/TR - Tumor Identification/Results                            |  |          |  |  |  |  |  |  |  |  |
|--------|--|--|----------|--|--|--|--|--|--|--|--|
| 1 TU   | 1 TU/TR - Tumor Identification/Results (RECIST 1.1 - Target Lesions) |  |          |  |  |  |  |  |  |  |  |
| 1.1    | Were any tumors identified?  | No No Yes  | TUYN     |  |  |  |  |  |  |  |  |
| 1.2    | Tumor ID   |  | TULNKID  |  |  |  |  |  |  |  |  |
| 1.3    | Location   | BREANT  Breast<br>  DOMENT  Chest<br>  MODENT  Kidney<br>  LIVER  Liver<br>  PROOK Neck  | TULOC    |  |  |  |  |  |  |  |  |
| 1.4    | Laterality   | LEFT Left    POOHT Right   BIATERAL BILATERAL  | TULAT    |  |  |  |  |  |  |  |  |
| 1.5    | Directionality   | DISTALL DISTAL  DISTRIBUTION DISTALL  DISTRIBUTION DISTRIBUTION DISTALL  DISTRIBUTION DISTALL  DISTRIBUTION DISTRIBUTION DISTALL  DISTRIBUTION DISTALL  DISTRIBUTION DISTRIBUTION DISTALL  DISTRIBUTION DISTRI | TUDIR    |  |  |  |  |  |  |  |  |
| 1.6    | Location Detail  |  | TULOCDTL |  |  |  |  |  |  |  |  |

| Form ' | ΓU/TR - Tumor Identifica            | tion/Results   |              |
|--------|-------------------------------------|--|--------------|
|        | TR - Tumor Identificatio            | n/Results (RECIST 1.1 - Tar  | get Lesions) |
| 1.7    | Method of Evaluation                | DISTROME CT Scan  DIACTOGRAPHI Ductography  DIACTOGRAPHI Ductography  DIACTOGRAPHI Echocardiography  DIACTOGRAPHI Echocardiography  DIACTOGRAPHI Echocardiography  DIACTOGRAPHI Echocardiography  DIACTOGRAPHI MARMOGRAPHI  DIACTOGRAPHI MICHAEL  DIACTOGRAPHI Scan  DIATTOGRAPHI COMP  DIATTOGRAPHI UCAN  DIATTOGRAPHI  DIAT | TUMETHOD     |
| 1.8    | Date of Evaluation<br>(DD-MMM-YYYY) |  | TUDAT        |
| 1.9    | Evaluator                           | [INCEPTIONATOR] Investigator   | essor TUEVAL |
| 1.10   | Evaluator Identifier                | PAGICLOGET   Radiologist 1<br>  PAGICLOGET   Radiologist 2<br>  PAGICLOGET   Radiologist 3   | TUEVALID     |



## TR (Tumor/Lesion Results)









# RS (Disease Response/Clinical Classification)

| Form | n RS - Disease Response   | )   |                                  |
|------|---|---|----------------------------------|
| 1 R  | S - Disease Response  |   |                                  |
| 1.1  | Disease Response Category   |   | RSCAT                            |
|      |   | RECIST 1.1  |                                  |
| 1.2  | Was the disease response assessment performed?                              | ○ № No<br>○ M Yes   | RSPERF                           |
| 1.3  | Reason Disease Response<br>Assessment Not Performed                         |   | RSREASND                         |
| 1.4  | What was the role of the person performing the disease response assessment? | processional Assessor Independent Assessor processional Investigator  | RSEVAL                           |
| 1.5  | What is the evaluator identifier?   | PADIOLOGIST 1] Radiologist 1  PADIOLOGIST 2] Radiologist 2  PADIOLOGIST 3] Radiologist 3  | RSEVALID                         |
| 1.6  | Target Response   | □ pal Complete Response (CR) □ pal Partial Response (PR) □ pal Stable Disease (SD) □ pal Progressive Disease (PD) □ pal Not Evaluable (NE)        | RESP_RSORRES                     |
| 1.7  | Non-Target Response   | © [CR] Complete Response (CR) NTRG © DON-CRIMON-PD] Non Complete Response/Non (NON-CR/NON-PD) © POJ Progressive Disease (PD) © NOT Evaluable (NE) | RESP_RSORRES Progressive Disease |

| Form | RS - Disease Response | 2  |   |
|------|-----------------------|--|---|
| 1 R  | S - Disease Response  |  |   |
| 1.8  | Overall Response      | Complete Response (CR)   PRI Partial Response (PR)   Stable Disease (SD)   NON-CR/NON-PD  Non Complete Response (NON-CR/NON-PD)   POJ Progressive Disease (PD)   NOT Evaluable (NE)   NOT Evidence of Disease (NE  | ŭ |
| 1.9  | Best Overall Response | Complete Response (CR)   PRI Partial Response (PR)   DOI Stable Disease (SD)   DOI STABLE DISEASE (SD)   DOING-CRANON-POI NON Complete Response (NON-CR/NON-PD)   POI Progressive Disease (PD)   PROI NOT Evaluable (NE)   DEDI NO Evidence of Disease (NE | ŭ |



# **Example 1 – Tumor Identifier**

TU (Tumor/Lesion Identification)

| USUBJID | TUGRPID | TULNKID | TUTESTCD | TUTEST                   | TUORRES    | TULOC                | TULAT | TUMETHOD    | TUEVAL       | VISIT  | TUDTC      |
|---------|---------|---------|----------|--------------------------|------------|----------------------|-------|-------------|--------------|--------|------------|
| 44444   |         | T01     | TUMIDENT | Tumor<br>Indentification | TARGET     | LIVER                |       | CT SCAN     | INVESTIGATOR | SCREEN | 2010-01-01 |
| 44444   |         | T02     | TUMIDENT | Tumor<br>Indentification | TARGET     | KEDNEY               | RIGHT | CT SCAN     | INVESTIGATOR | SCREEN | 2010-01-01 |
| 44444   |         | T03     | TUMIDENT | Tumor<br>Indentification | TARGET     | CERVICAL<br>LYMPH    | LEFT  | MRI         | INVESTIGATOR | SCREEN | 2010-01-02 |
| 44444   |         | T04     | TUMIDENT | Tumor<br>Indentification | TARGET     | SKIN OF THE<br>TRUNK |       | PHOTOGRAPHY | INVESTIGATOR | SCREEN | 2010-01-03 |
| 44444   |         | NT01    | TUMIDENT | Tumor<br>Indentification | NON-TARGET | THYROID<br>GLAND     | RIGHT | CT SCAN     | INVESTIGATOR | SCREEN | 2010-01-01 |
| 44444   |         | NT02    | TUMIDENT | Tumor<br>Indentification | NON-TARGET | CEREBELLUM           | RIGHT | MRI         | INVESTIGATOR | SCREEN | 2010-01-02 |
| 44444   | T04     | T04.1   | TUSPLIT  | Tumor Split              | TARGET     | SKIN OF THE          |       | PHOTOGRAPHY | INVESTIGATOR | WEEK 6 | 2010-02-20 |
| 44444   | T04     | T04.2   | TUSPLIT  | Tumor Split              | TARGET     | SKIN OF THE          |       | PHOTOGRAPHY | INVESTIGATOR | WEEK 6 | 2010-02-20 |



# **Example 1 – Tumor Identifier**

• TR (Tumor/Lesion Results)

| USUBJID | TRGRPID        | TRLNKGRP | TRLNKID | TRTESTCD | TRTEST  | TRORRES                 | TRORRESU | TRMETHOD    | TREVAL       | VISIT  | TRDTC      |
|---------|----------------|----------|---------|----------|---|-------------------------|----------|-------------|--------------|--------|------------|
| 44444   | TARGET         | A1       | T01     | DIAMETER | Diameter  | 17                      | mm       | CT SCAN     | INVESTIGATOR | SCREEN | 2010-01-01 |
| 44444   | TARGET         | A1       | T02     | DIAMETER | Diameter  | 16                      | mm       | CT SCAN     | INVESTIGATOR | SCREEN | 2010-01-01 |
| 44444   | TARGET         | A1       | T03     | DIAMETER | Diameter  | 15                      | mm       | MRI         | INVESTIGATOR | SCREEN | 2010-01-02 |
| 44444   | TARGET         | A1       | T04     | DIAMETER | Diameter  | 14                      | mm       | PHOTOGRAPHY | INVESTIGATOR | SCREEN | 2010-01-03 |
| 44444   | TARGET         | A1       |         | SUMDIAM  | Sum of Diameter                                 | 62                      | mm       |             | INVESTIGATOR | SCREEN |            |
| 44444   | TARGET         | A1       |         | SUMNLNLD | Sum of Diameters of<br>Non Lymph Node<br>Tumors | 47                      | mm       |             | INVESTIGATOR | SCREEN |            |
| 44444   | NON-<br>TARGET | A1       | NT01    | TUMSTATE | Tumor State                                     | PRESENT                 |          | CT SCAN     | INVESTIGATOR | SCREEN | 2010-01-01 |
| 44444   | NON-<br>TARGET | A1       | NT02    | TUMSTATE | Tumor State                                     | PRESENT                 |          | MRI         | INVESTIGATOR | SCREEN | 2010-01-02 |
| 44444   | TARGET         | A2       | T01     | DIAMETER | Diameter  | 0                       | mm       | CT SCAN     | INVESTIGATOR | WEEK 6 | 2010-02-18 |
| 44444   | TARGET         | A2       | T02     | DIAMETER | Diameter  | TOO SMALL<br>TO MEASURE | mm       | CT SCAN     | INVESTIGATOR | WEEK 6 | 2010-02-19 |
| 44444   | TARGET         | A2       | T03     | DIAMETER | Diameter  | 12                      | mm       | MRI         | INVESTIGATOR | WEEK 6 | 2010-02-20 |
| 44444   | TARGET         | A2       | T04.1   | DIAMETER | Diameter  | 6                       | mm       | PHOTOGRAPHY | INVESTIGATOR | WEEK 6 | 2010-02-20 |
| 44444   | TARGET         | A2       | T04.2   | DIAMETER | Diameter  | 7                       | mm       | PHOTOGRAPHY | INVESTIGATOR | WEEK 6 |            |
| 44444   | TARGET         | A2       |         | SUMDIAM  | Sum of Diameter                                 | 30                      | mm       |             | INVESTIGATOR | WEEK 6 |            |



# **Example 1 – Tumor Identifier**

RS (Disease Response/Clinical Classification)

| USUBJID | RSLNKGRP | RSTESTCD | RSTEST                       | RSCAT                              | RSORRES | RSEVAL       | VISIT   | RSDTC      |
|---------|----------|----------|------------------------------|------------------------------------|---------|--------------|---------|------------|
| 44444   |          | TRGRESP  | Target Response              | RECIST 1.1                         | PR      | INVESTIGATOR | WEEK 6  | 2010-02-18 |
| 44444   |          | NTRGRESP | Non-target Response          | RECIST 1.1                         | SD      | INVESTIGATOR | WEEK 6  | 2010-02-18 |
| 44444   | A2       | OVRLRESP | Overall Response             | RECIST 1.1                         | PR      | INVESTIGATOR | WEEK 6  | 2010-02-18 |
| 44444   |          | TRGRESP  | Target Response              | RECIST 1.1                         | NE      | INVESTIGATOR | WEEK 12 | 2010-04-02 |
| 44444   |          | NTRGRESP | Non-target Response          | RECIST 1.1                         | NE      | INVESTIGATOR | WEEK 12 | 2010-04-02 |
| 44444   |          | SYMPTDTR | Symptomatic<br>Deterioration | PROTOCOL DEFINED RESPONSE CRITERIA | PD      | INVESTIGATOR | WEEK 12 | 2010-04-02 |
| 44444   | А3       | OVRLRESP | Overall Response             | PROTOCOL DEFINED RESPONSE CRITERIA | PD      | INVESTIGATOR | WEEK 12 | 2010-04-02 |
| 44444   |          | BESTRESP | Best Overall Response        | RECIST 1.1                         | PR      | INVESTIGATOR |         | 2010-02-18 |



# **Example 2 - TU (Tumor/Lesion Identification)**

| USUBJID | TUREFID       | TULNKID | TUTESTCD | TUTEST                   | TUORRES              | TULOC  | TUMETHOD     | TUEVAL       | VISIT   | TUDTC      |
|---------|---------------|---------|----------|--------------------------|----------------------|--------|--------------|--------------|---------|------------|
| 11111   | IMG-<br>A0001 | T01     | TUMIDENT | Tumor<br>Indentification | TARGET               | LIVER  | CT SCAN      | INVESTIGATOR | SCREEN  | 2010-01-01 |
| 11111   | IMG-<br>A0001 | T02     | TUMIDENT | Tumor<br>Indentification | TARGET               | KEDNEY | CT SCAN      | INVESTIGATOR | SCREEN  | 2010-01-01 |
| 11111   | IMG-<br>B0002 | NEWB01  | TUMIDENT | Tumor<br>Indentification | NEW<br>BONE<br>TUMOR | BONE   | SCINTIGRAPHY | INVESTIGATOR | WEEK 16 | 2010-03-28 |
| 11111   | IMG-<br>B0003 | NEWB02  | TUMIDENT | Tumor<br>Indentification | NEW<br>BONE<br>TUMOR | BONE   | SCINTIGRAPHY | INVESTIGATOR | WEEK 32 | 2010-08-13 |

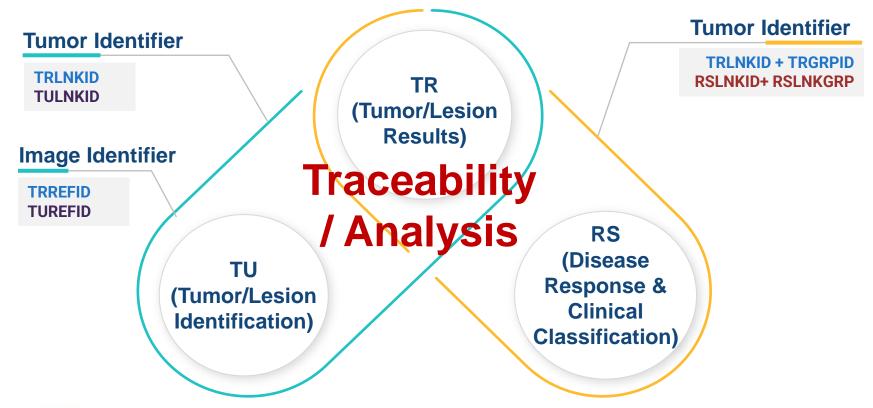


# TR (Tumor/Lesion Results) – Example 2

| USUBJID | TRGRPID              | TRREFID       | TRLNKGRP | TRLNKID | TRTESTCD | TRTEST                  | TRORRES | TREVAL       | VISIT   |
|---------|----------------------|---------------|----------|---------|----------|-------------------------|---------|--------------|---------|
| 11111   | TARGET               | IMG-<br>A0001 | A1       | T01     | DIAMETER | Diameter                | 17      | INVESTIGATOR | SCREEN  |
| 11111   | TARGET               | IMG-<br>A0001 | A1       | T02     | DIAMETER | Diameter                | 16      | INVESTIGATOR | SCREEN  |
| 11111   | TARGET               | IMG-<br>A0001 | A2       | T01     | DIAMETER | Diameter                | 0       | INVESTIGATOR | WEEK 16 |
| 11111   | TARGET               | IMG-<br>A0001 | A2       | T02     | DIAMETER | Diameter                | 10      | INVESTIGATOR | WEEK 16 |
| 11111   | NEW<br>BONE<br>TUMOR | IMG-B0002     | А3       | NEWB01  | NBONECNT | New Bone Tumor<br>Count | 1       | INVESTIGATOR | WEEK 16 |
| 11111   | NEW<br>BONE<br>TUMOR | IMG-B0003     | A4       | NEWB02  | NBONECNT | New Bone Tumor<br>Count | 3       | INVESTIGATOR | WEEK 32 |



### **Link between Oncology Specific Domains**





### **Mapping Consideration for External Data**

Align with SDTM IG and Controlled Terminology such as:

- Date of Image, Not Response Assessment Date
- Assessment Name
   (ex., Sum of Diameter, Overall Response, Best Overall Response, etc.)
- Assessment Name Code: Limited to 8 Characters
- Result of Disease Assessment such as CR, PR, etc.
- Independent Image Evaluator or Reader





# **Oncology Specific ADaM Domains**

### **ADaM Domains for Oncology Efficacy Analysis**

#### **Tumor Results Summary**

- Percent Change from Baseline in Sum of Diameter
- Percent Change from Baseline in Sum of Longest Diameter
- Percent Change from Nadir

#### Time-to-event

- Progression-Free Survival (PFS)
- Overall Survival (OS)
- Duration of Response (DOR)
- Time to Response (TTR)
- Time to Treatment Failure (TTF)

Source Data

**ADTR** 

ADTRSUM/ ADTRS ADRS/ ADEFF

**ADTTE** 

#### **Source Data**

- ADSL
- TU, TR, RS

#### **Response Rate**

- Best of Response (BOR)
- Objective Response Rate (ORR)
- Disease Control Rate (DCR)



### **ADTR for Tumor Results**

| • • | USUBJID | TRGRPID    | TRLNKID | TRLNKGRP | AVISIT    | PARAM                           | PARAMCD  | ADT        | AVAL  | AVALC   | EVAL                 | EVALID   | TRACPTFL | TRMETHOD |
|-----|---------|------------|---------|----------|-----------|---------------------------------|----------|------------|-------|---------|----------------------|----------|----------|----------|
| •   | 11111   | TARGET     | T01     | A01      | SCREENING | Longest Diameter (mm)           | LDIAM    | 2017-01-08 | 35.5  | 35.5    | INVESTIGATOR         |          |          | CT SCAN  |
| :   | 11111   | TARGET     | T02     | A01      | SCREENING | Longest Diameter (mm)           | LDIAM    | 2017-01-08 | 18.7  | 18.7    | INVESTIGATOR         |          |          | CT SCAN  |
| .:  | 11111   | TARGET     | T03     | A01      | SCREENING | Longest Diameter (mm)           | LDIAM    | 2017-01-08 | 15    | 15      | INVESTIGATOR         |          |          | CT SCAN  |
| •   | 11111   | TARGET     | T01     | A01      | SCREENING | Longest Diameter (mm)           | LDIAM    | 2017-01-08 | 31.2  | 31.2    | INDEPENDENT ASSESSOR | READER 1 | Υ        | CT SCAN  |
| • : | 11111   | TARGET     | T02     | A01      | SCREENING | Longest Diameter (mm)           | LDIAM    | 2017-01-08 | 18.7  | 18.7    | INDEPENDENT ASSESSOR | READER 1 | Υ        | CT SCAN  |
|     | 11111   | TARGET     | T03     | A01      | SCREENING | Longest Diameter (mm)           | LDIAM    | 2017-01-08 | 22    | 22      | INDEPENDENT ASSESSOR | READER 1 | Υ        | CT SCAN  |
|     | 11111   | TARGET     | T01     | A01      | SCREENING | Longest Diameter (mm)           | LDIAM    | 2017-01-08 | 31.2  | 31.2    | INDEPENDENT ASSESSOR | READER 2 |          | CT SCAN  |
|     | 11111   | TARGET     | T02     | A01      | SCREENING | Longest Diameter (mm)           | LDIAM    | 2017-01-08 | 18.8  | 18.8    | INDEPENDENT ASSESSOR | READER 2 |          | CT SCAN  |
|     | 11111   | TARGET     | T03     | A01      | SCREENING | Longest Diameter (mm)           | LDIAM    | 2017-01-08 | 22.1  | 22.1    | INDEPENDENT ASSESSOR | READER 2 |          | CT SCAN  |
| .:  | 11111   | NON-TARGET | NT01    | A01      | SCREENING | Tumor State                     | TUMSTATE | 2017-01-08 |       | Present | INVESTIGATOR         |          |          | CT SCAN  |
| :   | 11111   | NON-TARGET | NT01    | A01      | SCREENING | Tumor State                     | TUMSTATE | 2017-01-08 |       | Present | INDEPENDENT ASSESSOR | READER 1 | Υ        | CT SCAN  |
| •   | 11111   | NON-TARGET | NT01    | A01      | SCREENING | Tumor State                     | TUMSTATE | 2017-01-08 |       | Present | INDEPENDENT ASSESSOR | READER 2 |          | CT SCAN  |
|     | 11111   | TARGET     |         | A01      | SCREENING | Sum of Longest Diameter (mm)    | SUMDIAM  |            | 69.2  | 69.2    | INVESTIGATOR         |          |          |          |
|     | 11111   | TARGET     |         | A01      | SCREENING | Sum of Longest Diameter (mm)    | SUMDIAM  |            | 71.9  | 71.9    | INDEPENDENT ASSESSOR | READER 1 | Υ        |          |
|     | 11111   | TARGET     |         | A01      | SCREENING | Sum of Longest Diameter (mm)    | SUMDIAM  |            | 72.1  | 72.1    | INDEPENDENT ASSESSOR | READER 2 |          |          |
| •   | 11111   | TARGET     | T01     | A02      | WEEK 12   | Longest Diameter (mm)           | LDIAM    | 2017-03-31 | 24    | 24      | INVESTIGATOR         |          |          | CT SCAN  |
|     | 11111   | TARGET     | T02     | A02      | WEEK 12   | Longest Diameter (mm)           | LDIAM    | 2017-03-31 | 3     | 3       | INVESTIGATOR         |          |          | CT SCAN  |
|     | 11111   | TARGET     | T03     | A02      | WEEK 12   | Longest Diameter (mm)           | LDIAM    | 2017-03-31 | 7     | 7       | INVESTIGATOR         |          |          | CT SCAN  |
| i   | 11111   | TARGET     |         | A02      | WEEK 12   | Sum of Longest Diameter (mm)    | SUMDIAM  |            | 34    | 34      | INVESTIGATOR         |          |          |          |
|     |         |            |         |          |           | Percent Change from Baseline in |          |            |       |         |                      |          |          |          |
| •   | 11111   | TARGET     |         | A02      | WEEK 12   | Sum of Target Lesion Diameters  | PCBSLD   |            | -50.9 | -50.9   | INVESTIGATOR         |          |          |          |
|     |         |            |         |          |           | (%)                             |          |            |       |         |                      |          |          |          |



# **ADRS for Response Rate**

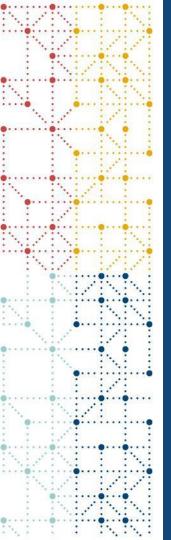
| USUBJID | RSLNKGRP | PARAMCD  | PARAM                        | RSCAT                              | AVALC    | RSEVAL       | AVISIT  | ADT        |
|---------|----------|----------|------------------------------|------------------------------------|----------|--------------|---------|------------|
| 44444   |          | TRGRESP  | Target Response              | RECIST 1.1                         | PR       | INVESTIGATOR | WEEK 6  | 2010-02-18 |
| 44444   |          | NTRGRESP | Non-target Response          | RECIST 1.1                         | SD       | INVESTIGATOR | WEEK 6  | 2010-02-18 |
| 44444   | A2       | OVRLRESP | Overall Response             | RECIST 1.1                         | PR       | INVESTIGATOR | WEEK 6  | 2010-02-18 |
| 44444   |          | TRGRESP  | Target Response              | RECIST 1.1                         | NE       | INVESTIGATOR | WEEK 12 | 2010-04-02 |
| 44444   |          | NTRGRESP | Non-target Response          | RECIST 1.1                         | NE       | INVESTIGATOR | WEEK 12 | 2010-04-02 |
| 44444   |          | SYMPTDTR | Symptomatic<br>Deterioration | PROTOCOL DEFINED RESPONSE CRITERIA | PD       | INVESTIGATOR | WEEK 12 | 2010-04-02 |
| 44444   | А3       | OVRLRESP | Overall Response             | PROTOCOL DEFINED RESPONSE CRITERIA | PD       | INVESTIGATOR | WEEK 12 | 2010-04-02 |
| 44444   |          | BESTRESP | Best Overall Response        | RECIST 1.1                         | PR       | INVESTIGATOR |         |            |
| 44444   |          | ORR      | Objective Response           | RECIST 1.1                         | Response | INVESTIGATOR |         |            |



### **ADTTE for Time-to-event**

| USUBJID | PARAM   | PARAMCD | STARTDT    | ADT        | AVAL | CNSR | EVNTDESC           |
|---------|---|---------|------------|------------|------|------|--------------------|
| 55555   | Overall Survival (days)                               | OS      | 2019-04-05 | 2020-12-31 | 637  | 1    | COMPLETED<br>STUDY |
| 55555   | Pregression Free<br>Survival (days) -<br>Investigator | PFSINV  | 2019-04-05 | 2020-11-21 | 597  | 0    | PROGRESSION        |
| 55555   | Pregression Free<br>Survival (days) -<br>Independent  | PFSIRC  | 2019-04-05 | 2020-08-21 | 505  | 0    | PROGRESSION        |
| 66666   | Overall Survival (days)                               | OS      | 2019-01-01 | 2019-01-15 | 15   | 0    | DEATH              |
| 66666   | Pregression Free<br>Survival (days) -<br>Investigator | PFSINV  | 2019-01-01 | 2019-01-15 | 15   | 0    | DEATH              |
| 66666   | Pregression Free<br>Survival (days) -<br>Independent  | PFSIRC  | 2019-01-01 | 2019-01-15 | 15   | 0    | DEATH              |

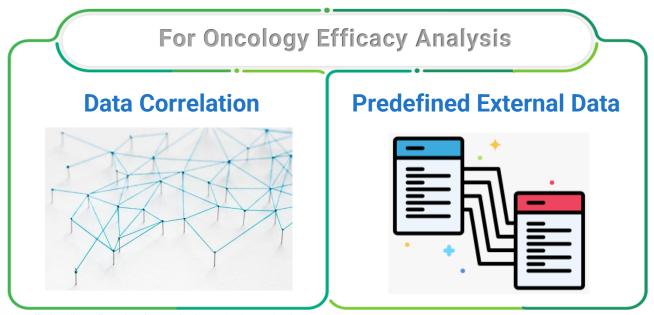




# Conclusion

#### **Conclusion**

cdisc



https://kr.freepik.com/free-photo/geometric-abstract-background-technology-https://www.flaticon.com/kr/free-icon/mapping\_2471463 concept-connecting-dots-

design\_21629541.htm#fromView=keyword&page=1&position=6&uuid=10c05 31d-bdc4-4642-a486-70dddb33a4ea



Thank You!

