

Supplementary Table 1: Detailed characterization of the patient cohort

| Patient | Sex | Age | Date of diagnosis | Underlying Disease | Type of Amyloidosis | Initial GI Symptoms | GI localization | Other localizations | Survival in months after diagnosis of GI amyloidosis |
|---------|-----|-----|-------------------|--------------------|---------------------|--|---------------------------------|-----------------------|--|
| 1 | M | 75 | 01/2004 | MGUS | unknown | Nausea, vomiting, loss of appetite, abdominal pain, abdominal distension | Duodenum | Heart | 88 months (deceased) |
| 2 | M | 73 | 11/2006 | Plasmacytoma | AL | none | Stomach, colon | Liver | 1 month (deceased) |
| 3 | M | 41 | 06/2007 | none | AA | Abdominal pain | Colon | Kidneys | 86 months (deceased) |
| 4 | F | 55 | 12/2007 | Plasmacytoma | AA | none | Whole GI tract (autopsy report) | Heart | 0 months (deceased) |
| 5 | M | 63 | 04/2004 | MGUS | AL | Weight loss | Small intestine, Colon | Heart | 53 months (deceased) |
| 6 | F | 30 | 11/1999 | none | AA | Diarrhea | Stomach, Ileum, Colon | Liver, Kidneys, Heart | 157 months (deceased) |
| 7 | M | 44 | 10/2009 | Plasmacytoma | AL | Nausea, vomiting, loss of appetite, weight loss, diarrhea | Colon | Heart, Liver, Kidneys | 1 month (deceased) |
| 8 | M | 62 | 12/2009 | MGUS | unknown | Diarrhea, weight loss, loss of appetite, nausea, vomiting | Colon | Kidneys | 0 months (deceased) |

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| 9 | M | 54 | 01/2010 | Plasmacytoma | AL | Weight loss, lower GI bleeding | Colon | none | unknown |
| 10 | F | 74 | 08/2011 | Rheumatoid arthritis and B-NHL | unknown | none | Rectum | none | 9 months (deceased) |
| 11 | M | 87 | 08/2011 | none | unknown | Abdominal pain, diarrhea | Caecum, ileum | none | 4 months (deceased) |
| 12 | F | 34 | 05/2011 | none | AL | Nausea, vomiting, loss of appetite, weight loss | Colon | Heart, Kidneys, Spleen, Nervous system | 95 months (deceased) |
| 13 | W | 47 | 01/2013 | Vasculitis | AA | Abdominal pain | Stomach, Jejunum, Colon | Heart, Kidney, Skin | 5 months (deceased) |
| 14 | M | 71 | 07/2013 | Multiple Myeloma | AL | Abdominal distension | Stomach, Colon | Liver, Kidneys | 142 months (deceased) |
| 15 | W | 43 | 12/2013 | none | TTR | Diarrhea, weight loss | Colon | Heart | 112 months (survives) |
| 16 | M | 50 | 10/2013 | none | TTR | Diarrhea | Colon | Heart, Nervous system | 115 months (survives) |

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|----|---|----|---------|------|---------|------------------------------------|----------------------|----------------------------------|--------------------------|
| 17 | M | 73 | 01/2014 | MGUS | TTR | none | Esophagus, Rectum | Heart, Kidney, Nervous system | 6 months (deceased) |
| 18 | M | 58 | 02/2014 | none | TTR | Abdominal pain, diarrhea | Stomach, Colon | Nervous system | Unknown |
| 19 | M | 56 | 07/2014 | MGUS | AL | Abdominal pain, diarrhea | Stomach, Duodenum | Heart | 106 months (survives) |
| 20 | M | 80 | 01/2018 | MGUS | TTR | none | Rectum | Heart | 48 months (deceased) |
| 21 | W | 78 | 05/2020 | none | unknown | Abdominal pain, diarrhea | Jejunum | none | 36 months (survives) |
| 22 | W | 66 | 04/2022 | MGUS | AL | Nausea, vomiting, loss of appetite | Stomach | Heart, kidneys, gallbladder | 0 months (deceased) |
| 23 | W | 63 | 04/2022 | MGUS | AL | Upper GI bleeding | Stomach, duodenum | Heart, Kidneys, Omentum | 13 months (survives) |

Presentation of patient characteristics, including date of diagnosis, underlying disease, type of amyloidosis, GI symptoms, GI localization, other affected organs, and survival in months after diagnosis. GI= gastrointestinal tract, AL= amyloid light chain, AA= amyloid A, TTR= transthyretin, MGUS= Monoclonal gammopathy of undetermined significance